

			InterCor Interoperability Test Case				
Test Identifier	TC1_1a						
Test Objective	This to	est aims to	verify the authenticity of a message received from an ITSS belongi	ng to a foreign trust domain and signed with a valid AT. <i>The</i>			
	receiv	ed messag	ge is a DENM about RWW ahead.				
	This to	est case is a	ledicated to test a foreign vehicle V_for				
Test Scenario used	We m	ix the scend	ario 1 described in « Testfest scenarios » and the use case "OHLN —	Obstacle on the road".			
Pre-test	Comn	non InterCo	r_CTL. Is only used for file format.				
Conditions			e CTL of each vehicle is signed with its home RCA (the content is the	he same). They are preloaded in each vehicle.			
	It sho	uld contain	all RCAs.				
	PKI w	PKI which is not in the InterCor_CTL.					
	InterCor_CRL and the InterCor_CTL are preloaded in <i>vehicle V_for</i> .						
Test Sequence	Step	Туре	Action: Description	Observation			
			Check: Expected behaviour				
	1	action	Vehicle V_for enters test area close to RSU Saint-Remi and	This check will be done if the display of step 8 is not			
			receives information from RSU	properly done. AdHoc URCA tool using Veh_For pcap files.			
	2	Check	The reception of the message by the OBU of Vehicle V_for	Means: pcap files or log files or vendor assesment			
	7	action	Vehicle <i>V_for</i> drives into the relevance area	AdHoc URCA tool using Veh_For pcap files.			
	8	check	Information (which?) is diplayed to the driver at location YY	We check manually. If the event is displayed propely,			
			HMI should show something like RWW ahead in ZZZ m	that means that the security scenario is successful.			
	9	action	Vehicle V_for leaves the relevance area	<u> </u>			
	10	check	The information is not displayed anymore.	We check manually			



			InterCor Interoperability Test Case				
Test Identifier	T1_1k	)					
Test Objective	receiv	This test aims to verify the authenticity of a message received from an ITSS belonging to a foreign trust domain and signed with a valid AT. The received message is a DENM about RWW ahead.  This test case is dedicated to test a foreign vehicle V for					
Test Scenario used	We m	ix the scena	rio 1 described in « Testfest scenarios » and the use case "Alert neut	ralization of part of a lane".			
Pre-test	Comn	non InterCor	_CTL. Is only used for file format.				
Conditions	The content of the CTL of each vehicle is signed with its home RCA (the content is the same). They are preloaded in each volume in the InterCor_CTL.						
<del>-</del>		_	the InterCor_CTL are preloaded in <i>vehicle V_for</i> .	Total vi			
Test Sequence	Step	Туре	Action: Description Check: Expected behaviour	Observation			
	1	action	Vehicle V_for enters test area close to RSU Tinqueux and receives a DENM with an eventType set to {3; 0} and an EventHistory filled from RSU signed with PKI which is not in the InterCor_CTL.	This check will be done if the display of step 4 is not properly done. AdHoc URCA tool using V_for pcap files.			
	2	Check	The reception of the message by the OBU of Vehicle V_for	Means: pcap files or log files or vendor assessment.			
	3	action	Vehicle <i>V_for</i> drives into the relevance area	AdHoc URCA tool using V_for pcap files.			
	4	check	DENM should not be printed to the HMI.	We check manually. If the event is not displayed, that means that the security scenario is successful.			
	5	action	Vehicle <i>V_for</i> leaves the relevance area	·			
	6	check	The information still not displayed.	We check manually.			
Comments			•	•			



			InterCor Interoperability Test Case			
Test Identifier	TC1_1c					
Test Objective	This to	est aims to	verify the authenticity of a message received from an ITSS belonging	to a foreign trust domain and signed with a valid AT. The		
	receiv	ed messag	ge is a DENM about RWW ahead.			
	This to	est case is d	edicated to test a foreign vehicle V_for			
Test Scenario used	We m	ix the scend	ario 1 described in « Testfest scenarios » and the use case "OHLN – Ex	treme weather conditions".		
Pre-test	Comn	non InterCo	r_CTL. Is only used for file format.			
Conditions			e CTL of each vehicle is signed with its home RCA (the content is the	same). They are preloaded in each vehicle.		
		uld contain				
	PKI w	hich is not i	n the InterCor_CTL.			
	InterCor_CRL and the InterCor_CTL are preloaded in <i>vehicle V_for</i> .					
Test Sequence	Step	Туре	Action: Description	Observation		
			Check: Expected behaviour			
	1	action	Vehicle V_for enters test area close to RSU CSR and receives a	This check will be done if the display of step 4 is not		
			DENM with an actionID {S1; SN1} and an eventType set to {17; 1}	properly done. AdHoc URCA tool using V_for pcap files.		
			relevant on the whole A4 from RSU signed with PKI which is not			
			in the InterCor_CTL.			
	2	Check	The reception of the message by the OBU of Vehicle V_for	Means: pcap files or log files or vendor assessment.		
	3	action	Vehicle <i>V_for</i> drives into the relevance area	AdHoc URCA tool using V_for pcap files.		
	4	check	DENM should not be printed to the HMI.	We check manually. If the event is not displayed, that means that the security scenario is successful.		
	5	action	Vehicle V_for leaves the relevance area			
	6	check	The information still not displayed.	We check manually.		



			InterCor Interoperability Test Case				
Test Identifier	TC1_1d						
Test Objective	This to	est aims to	verify the authenticity of a message received from an ITSS belonging	to a foreign trust domain and signed with a valid AT. The			
	receiv	ed messag	ge is a DENM about RWW ahead.				
	This to	est case is d	ledicated to test a foreign vehicle V_for				
Test Scenario used	We m	ix the scend	ario 1 described in « Testfest scenarios » and the use case "Winter mo	nintenance –Salting in progress".			
Pre-test	Comn	non InterCo	r_CTL. Is only used for file format.				
Conditions			e CTL of each vehicle is signed with its home RCA (the content is the	same). They are preloaded in each vehicle.			
	It sho	uld contain	all RCAs.				
	PKI w	PKI which is not in the InterCor_CTL.					
	InterCor_CRL and the InterCor_CTL are preloaded in <i>vehicle V_for</i> .						
Test Sequence	Step	Туре	Action: Description	Observation			
			Check: Expected behaviour				
	1	action	Vehicle V_for enters test area close to an OBU_RO and receives	This check will be done if the display of step 4 is not			
			a DENM with an eventType set to {26; 8} and an EventHistory	properly done. AdHoc URCA tool using V_for pcap files			
			dynamically updated from OBU_RO signed with PKI which is not				
			in the InterCor_CTL.				
	2	Check	The reception of the message by the OBU of Vehicle <i>V_for</i>	Means: pcap files or log files or vendor assessment.			
	3	action	Vehicle <i>V_for</i> drives into the relevance area	AdHoc URCA tool using V_for pcap files.			
	4	check	DENM should not be printed to the HMI.	We check manually. If the event is not displayed, that means that the security scenario is successful.			
	5	action	Vehicle V_for leaves the relevance area	,			
	_						



			InterCor Interoperability Test Case				
Test Identifier	TC1_1e						
Test Objective	receiv	This test aims to verify the authenticity of a message received from an ITSS belonging to a foreign trust domain and signed with a valid AT. The received message is a DENM about RWW ahead.  This test case is dedicated to test a foreign vehicle V_for					
Test Scenario used	We m	ix the scenai	rio 1 described in « Testfest scenarios » and the use case "OHLN – Ex	treme weather conditions".			
Pre-test	Comn	non InterCor	_CTL. Is only used for file format.				
Conditions	The content of the CTL of each vehicle is signed with its home RCA (the content is the same). They are preloaded in each vehicle. It should contain all RCAs.  PKI which is not in the InterCor_CTL.  InterCor_CRL and the InterCor_CTL are preloaded in vehicle V_for.						
Test Sequence	Step	_	Action: Description	Observation			
rest sequence	Jiep	, ypc	Check: Expected behaviour	observation .			
	1	action	Vehicle <i>V_for</i> enters test area close to RSU Taissy and receives a DENM with an actionID {S2; SN2} and an eventType set to {17; 1} relevant on the whole A4 from RSU signed with PKI which is not in the InterCor_CTL.	This check will be done if the display of step 4 is not properly done. AdHoc URCA tool using V_for pcap files.			
	2	Check	The reception of the message by the OBU of Vehicle V_for	Means: pcap files or log files or vendor assessment.			
	3	action	Vehicle <i>V_for</i> drives into the relevance area	AdHoc URCA tool using V_for pcap files.			
	4	check	DENM should not be printed to the HMI.	We check manually. If the event is not displayed, that means that the security scenario is successful.			
	5	action	Vehicle V_for leaves the relevance area				
	6	check	The information still not displayed.	We check manually.			
Comments		•	•				



			InterCor Interoperability Test Case				
Test Identifier	TC1_1f						
Test Objective	This to	est aims to	verify the authenticity of a message received from an ITSS belonging	to a foreign trust domain and signed with a valid AT. The			
	receiv	ed messag	ge is a DENM about RWW ahead.				
	This to	est case is a	ledicated to test a foreign vehicle V_for				
Test Scenario	We m	ix the scend	ario 1 described in « Testfest scenarios » and the use case "OHLN – H	uman presence on the road".			
used							
Pre-test			r_CTL. Is only used for file format.				
Conditions	The co	ontent of th	ne CTL of each vehicle is signed with its home RCA (the content is the	e same). They are preloaded in each vehicle.			
	It sho	It should contain all RCAs.					
	PKI w	PKI which is not in the InterCor_CTL.					
	InterC	InterCor_CRL and the InterCor_CTL are preloaded in <i>vehicle V_for</i> .					
<b>Test Sequence</b>	Step	Type	Action: Description	Observation			
			Check: Expected behaviour				
	1	action	Vehicle V_for enters test area 5 km away from RSU Saint-Remi	This check will be done if the display of step 4 is not			
			and receives a DENM with an eventType set to {12; 0} from a	properly done. AdHoc URCA tool using V_for pcap files.			
			French vehicle signed with PKI which is not in the InterCor_CTL.				
	2	Check	The reception of the message by the OBU of Vehicle V_for	Means: pcap files or log files or vendor assessment.			
	3	action	Vehicle V_for drives into the relevance area	AdHoc URCA tool using V_for pcap files.			
	4	check	DENM should not be printed to the HMI.	We check manually. If the event is not displayed, that			
				means that the security scenario is successful.			
	5	action	Vehicle V_for leaves the relevance area				
	6	check	The information still not displayed.	We check manually.			
Comments		1		·			



			InterCor Interoperability Test Case				
Test Identifier	TC1_2a						
Test Objective	This to	est aims to	verify the authenticity of a message received from an ITSS belongi	ng to a foreign trust domain and signed with a valid AT. <i>The</i>			
	receiv	ed messag	ge is a DENM about RWW ahead.				
	This to	est case is d	edicated to test a French vehicle V_fre.				
Test Scenario used	We m	ix the scena	ario 1 described in « Testfest scenarios » and the use case "OHLN —	Obstacle on the road".			
Pre-test	Comn	non InterCo	r_CTL. Is only used for file format.				
Conditions	The co	ontent of th	e CTL of each vehicle is signed with its home RCA (the content is the	he same). They are preloaded in each vehicle.			
	It sho	uld contain	all RCAs.				
	PKI w	PKI which is not in the InterCor_CTL.					
	InterCor_CRL and the InterCor_CTL are preloaded in <i>vehicle V_fre</i> .						
<b>Test Sequence</b>	Step	Туре	Action: Description	Observation			
			Check: Expected behaviour				
	1	action	Vehicle V_fre enters test area close to RSU Saint-Remi and	This check will be done if the display of step 4 is not			
			receives a DENM with an eventType set to {10; 0} from RSU	properly done. AdHoc URCA tool using V_fre pcap files.			
			signed with PKI which is not in the InterCor_CTL.				
	2	Check	The reception of the message by the OBU of Vehicle <i>V_fre</i>	Means: pcap files or log files or vendor assessment.			
	3	action	Vehicle <i>V_fre</i> drives into the relevance area	AdHoc URCA tool using V_fre pcap files.			
	4	check	DENM should not be printed to the HMI.	We check manually. If the event is not displayed, that			
				means that the security scenario is successful.			
	5	action	Vehicle V_fre leaves the relevance area				
	6	check	The information still not displayed.	We check manually.			
Comments							

Test operator information				
Company	Name of the company			
Test operator	Name(s) and e-mail address(es) of the person that performed the test			
OBU identifier	Product description/id in case you test with several devices			
Test date/time	Exact time when the test was performed. This is important for the log analysis			
Test log provided	Yes/No A reason for a No answer would be appreciated			
Log file name/format	Name of the log file and file format, if you provide log files			



			InterCor Interoperability Test Case			
Test Identifier	TC1_2	?b				
Test Objective	This to	est aims to v	erify the authenticity of a message received from an ITSS belonging	to a foreign trust domain and signed with a valid AT. The		
	receiv	ed message	e is a DENM about RWW ahead.			
	This te	est case is de	dicated to test a French vehicle V_fre.			
Test Scenario used	We m	ix the scenai	io 1 described in « Testfest scenarios » and the use case "Alert neut	ralization of part of a lane".		
Pre-test	Comm	non InterCor	_CTL. Is only used for file format.			
Conditions			CTL of each vehicle is signed with its home RCA (the content is the	same). They are preloaded in each vehicle.		
	It sho	uld contain a	II RCAs.			
	PKI wl	hich is not in	the InterCor_CTL.			
	InterCor_CRL and the InterCor_CTL are preloaded in <i>vehicle V_fre</i> .					
Test Sequence	Step	Туре	Action: Description	Observation		
			Check: Expected behaviour			
	1	action	Vehicle V_fre enters test area close to RSU Tinqueux and	This check will be done if the display of step 4 is not		
			receives a DENM with an eventType set to {3; 0} and an	properly done. AdHoc URCA tool using V_fre pcap files.		
			EventHistory filled from RSU signed with PKI which is not in the			
			InterCor_CTL.			
	2	Check	The reception of the message by the OBU of Vehicle V_fre	Means: pcap files or log files or vendor assessment.		
	3	action	Vehicle <i>V_fre</i> drives into the relevance area	AdHoc URCA tool using V_fre pcap files.		
	4	check	DENM should not be printed to the HMI.	We check manually. If the event is not displayed, that		
				means that the security scenario is successful.		
	5	action	Vehicle V_fre leaves the relevance area			
	6	check	The information still not displayed.	We check manually.		
Comments		1		· · · · · · · · · · · · · · · · · · ·		

Test operator information				
Company	Name of the company			
Test operator	Name(s) and e-mail address(es) of the person that performed the test			
OBU identifier	Product description/id in case you test with several devices			
Test date/time	Exact time when the test was performed. This is important for the log analysis			
Test log provided	Yes/No A reason for a No answer would be appreciated			
Log file name/format	Name of the log file and file format, if you provide log files			



			InterCor Interoperability Test Case			
Test Identifier	TC1_2c					
Test Objective	This to	est aims to v	erify the authenticity of a message received from an ITSS belonging	to a foreign trust domain and signed with a valid AT. The		
	receiv	ed message	e is a DENM about RWW ahead.			
	This te	est case is de	dicated to test a French vehicle V_fre.			
Test Scenario	We m	ix the scenai	rio 1 described in « Testfest scenarios » and the use case "OHLN – Ex	treme weather conditions".		
used						
Pre-test	Comm	non InterCor	_CTL. Is only used for file format.			
Conditions	The co	ontent of the	e CTL of each vehicle is signed with its home RCA (the content is the	same). They are preloaded in each vehicle.		
	It sho	uld contain a	III RCAs.			
	PKI wl	nich is not in	the InterCor_CTL.			
	InterCor_CRL and the InterCor_CTL are preloaded in <i>vehicle V_fre</i> .					
Test Sequence	Step	Туре	Action: Description	Observation		
			Check: Expected behaviour			
	1	action	Vehicle V_fre enters test area close to RSU CSR and receives a	This check will be done if the display of step 4 is not		
			DENM with an actionID {S1; SN1} and an eventType set to {17; 1}	properly done. AdHoc URCA tool using V_fre pcap files.		
			relevant on the whole A4 from RSU signed with PKI which is not			
			in the InterCor_CTL.			
	2	Check	The reception of the message by the OBU of Vehicle <i>V_fre</i>	Means: pcap files or log files or vendor assessment.		
	3	action	Vehicle V_fre drives into the relevance area	AdHoc URCA tool using V_fre pcap files.		
	4	check	DENM should not be printed to the HMI.	We check manually. If the event is not displayed, that		
				means that the security scenario is successful.		
	5	action	Vehicle V_fre leaves the relevance area			
	6	check	The information still not displayed.	We check manually.		
Comments		1		·		

Test operator information				
Company	Name of the company			
Test operator	Name(s) and e-mail address(es) of the person that performed the test			
OBU identifier	Product description/id in case you test with several devices			
Test date/time	Exact time when the test was performed. This is important for the log analysis			
Test log provided	Yes/No A reason for a No answer would be appreciated			
Log file name/format	Name of the log file and file format, if you provide log files			



			InterCor Interoperability Test Case			
Test Identifier	TC1_2	?d				
Test Objective	This test aims to verify the authenticity of a message received from an ITSS belonging to a foreign trust domain and signed with a valid AT. The					
	receiv	ed messag	e is a DENM about RWW ahead.			
	This to	est case is de	edicated to test a French vehicle V_fre.			
Test Scenario	We m	ix the scena	rio 1 described in « Testfest scenarios » and the use case "Winter mo	aintenance –Salting in progress".		
used						
Pre-test	Comm	non InterCor	_CTL. Is only used for file format.			
Conditions	The co	ontent of the	e CTL of each vehicle is signed with its home RCA (the content is the	same). They are preloaded in each vehicle.		
	It sho	uld contain a	all RCAs.			
	PKI wl	PKI which is not in the InterCor_CTL.				
	InterCor_CRL and the InterCor_CTL are preloaded in vehicle V_fre.					
Test Sequence	Step	Туре	Action: Description	Observation		
			Check: Expected behaviour			
	1	action	Vehicle <i>V_fre</i> enters test area close to an OBU_RO and receives	This check will be done if the display of step 4 is not		
			a DENM with an eventType set to {26; 8} and an EventHistory	properly done. AdHoc URCA tool using V_fre pcap files		
			dynamically updated from OBU_RO signed with PKI which is not			
			in the InterCor_CTL.			
	2	Check	The reception of the message by the OBU of Vehicle V_fre	Means: pcap files or log files or vendor assessment.		
	3	action	Vehicle <i>V_fre</i> drives into the relevance area	AdHoc URCA tool using V_fre pcap files.		
	4	check	DENM should not be printed to the HMI.	We check manually. If the event is not displayed, that		
				means that the security scenario is successful.		
	5	action	Vehicle <i>V_fre</i> leaves the relevance area			
	6	check	The information still not displayed.	We check manually.		
Comments		•	•			

Test operator information			
Company	Name of the company		
Test operator	Name(s) and e-mail address(es) of the person that performed the test		
OBU identifier	Product description/id in case you test with several devices		
Test date/time	Exact time when the test was performed. This is important for the log analysis		
Test log provided	Yes/No A reason for a No answer would be appreciated		
Log file name/format	Name of the log file and file format, if you provide log files		



			InterCor Interoperability Test Case		
Test Identifier	TC1_2	?e			
Test Objective	This test aims to verify the authenticity of a message received from an ITSS belonging to a foreign trust don			to a foreign trust domain and signed with a valid AT. The	
	receiv	ed message	e is a DENM about RWW ahead.		
	This to	est case is de	dicated to test a French vehicle V_fre.		
Test Scenario	We m	ix the scenai	rio 1 described in « Testfest scenarios » and the use case "OHLN – Ex	treme weather conditions".	
used					
Pre-test	Comm	non InterCor	_CTL. Is only used for file format.		
Conditions	The co	ontent of the	e CTL of each vehicle is signed with its home RCA (the content is the	same). They are preloaded in each vehicle.	
	It sho	uld contain a	III RCAs.		
	PKI wl	nich is not in	the InterCor_CTL.		
	InterCor_CRL and the InterCor_CTL are preloaded in vehicle V_fre.				
Test Sequence	Step	Type	Action: Description	Observation	
			Check: Expected behaviour		
	1	action	Vehicle V_fre enters test area close to RSU Taissy and receives a	This check will be done if the display of step 4 is not	
			DENM with an actionID {S2; SN2} and an eventType set to {17; 1}	properly done. AdHoc URCA tool using V_fre pcap files.	
			relevant on the whole A4 from RSU signed with PKI which is not		
			in the InterCor_CTL.		
	2	Check	The reception of the message by the OBU of Vehicle V_fre	Means: pcap files or log files or vendor assessment.	
	3	action	Vehicle V_fre drives into the relevance area	AdHoc URCA tool using V_fre pcap files.	
	4	check	DENM should not be printed to the HMI.	We check manually. If the event is not displayed, that	
				means that the security scenario is successful.	
	5	action	Vehicle V_fre leaves the relevance area		
	6	check	The information still not displayed.	We check manually.	
Comments		•			

Test operator information		
Company	Name of the company	
Test operator	Name(s) and e-mail address(es) of the person that performed the test	
OBU identifier	Product description/id in case you test with several devices	
Test date/time	Exact time when the test was performed. This is important for the log analysis	
Test log provided	Yes/No A reason for a No answer would be appreciated	
Log file name/format	Name of the log file and file format, if you provide log files	



			InterCor Interoperability Test Case			
Test Identifier	TC1_2	<u>2</u> f				
Test Objective	This test aims to verify the authenticity of a message received from an ITSS belonging to a foreign trust domain and signed with a valid AT. The					
	receiv	ed messag	ge is a DENM about RWW ahead.			
	This to	est case is d	ledicated to test a French vehicle V_fre.			
Test Scenario used	We m	We mix the scenario 1 described in « Testfest scenarios » and the use case "OHLN – Human presence on the road".				
Pre-test	Comn	non InterCo	r_CTL. Is only used for file format.			
Conditions	The co	ontent of th	ne CTL of each vehicle is signed with its home RCA (the content is the	e same). They are preloaded in each vehicle.		
	It sho	uld contain	all RCAs.			
	PKI wl	PKI which is not in the InterCor_CTL.				
	InterC	Cor_CRL and	the InterCor_CTL are preloaded in <i>vehicle V_fre.</i>			
Test Sequence	Step	Type	Action: Description	Observation		
			Check: Expected behaviour			
	1	action	Vehicle <i>V_fre</i> enters test area 5 km away from RSU Saint-Remi	This check will be done if the display of step 4 is not		
			and receives a DENM with an eventType set to {12; 0} from a	properly done. AdHoc URCA tool using V_fre pcap files.		
			French vehicle signed with PKI which is not in the InterCor_CTL.			
	2	Check	The reception of the message by the OBU of Vehicle V_fre	Means: pcap files or log files or vendor assessment.		
	3	action	Vehicle V_fre drives into the relevance area	AdHoc URCA tool using V_fre pcap files.		
	4	check	DENM should not be printed to the HMI.	We check manually. If the event is not displayed, that		
		_		means that the security scenario is successful.		
	5	action	Vehicle V_fre leaves the relevance area			
	6	check	The information still not displayed.	We check manually.		
Comments						

Test operator information			
Company	Name of the company		
Test operator	Name(s) and e-mail address(es) of the person that performed the test		
OBU identifier	Product description/id in case you test with several devices		
Test date/time	Exact time when the test was performed. This is important for the log analysis		
Test log provided	Yes/No A reason for a No answer would be appreciated		
Log file name/format	Name of the log file and file format, if you provide log files		



			InterCor Interoperability Test Case			
Test Identifier	TC2_1	1a				
Test Objective	This test aims to verify that a message received from an ITSS belonging to a foreign domain and signed with a AT trusted by a revoked AA will be					
	discar	discarded. The received message is a DENM about RWW (OHLN: Obstacle on the road - 10-0) ahead.				
	This to	est case is c	ledicated to test a foreign vehicle V_for			
Test Scenario used	We m	We mix the scenario 2 described in « Testfest scenarios » and the use case RWW.				
Pre-test	Comn	non InterCo	or_CTL is only used for file format.			
Conditions	The co	ontent of th	ne CTL of each vehicle is <b>signed</b> with its home RCA (the content is th	ne same). They are preloaded in each vehicle.		
	It sho	It should contain all RCAs.				
	The Ir	The InterCor_CRL has to include the French RCA (as a revoked authority).				
	InterC	InterCor_CRL and the InterCor_CTL are preloaded in <i>vehicle V_for</i>				
Test Sequence	Step	Туре	Action: Description	Observation		
			Check: Expected behaviour			
	1	action	Vehicle V_for enters test area close to RSU Saint-Remi (exact	This check will be done if the display of step 4 is not		
			location, ????) and receives the DENM from this RSU	properly done. AdHoc URCA tool using V_for pcap files.		
	2	Check	The reception of the message by the OBU of Vehicle V_for	Means: pcap files or log files or vendor assessment		
	3	action	Vehicle <i>V_for</i> drives into the relevance area	AdHoc URCA tool using V_for pcap files.		
	4	check	Any information has not to be displayed to the driver	We check manually. If the event is displayed properly,		
			HMI should not show anything (no RWW)	that means that the security scenario is successful.		
	5	action	Vehicle V_for leaves the relevance area			
	6	check	The HMI continues not to display anything.	We check manually		
Comments	Optio	nal additior	nal information	·		

Test operator information			
Company	Name of the company		
Test operator	Name(s) and e-mail address(es) of the person that performed the test		
OBU identifier	Product description/id in case you test with several devices		
Test date/time	Exact time when the test was performed. This is important for the log analysis		
Test log provided	Yes/No A reason for a No answer would be appreciated		
Log file name/format	Name of the log file and file format, if you provide log files		



			InterCor Interoperability Test Case			
Test Identifier	TC2_1	lb				
Test Objective	This test aims to verify that a message received from an ITSS belonging to a foreign domain and signed with a AT trusted by a revoked AA will be					
	discar	ded. <i>The re</i>	ceived message is a DENM about RWW (Alert neutralization of par	rt of a lane : 3-0) ahead.		
	This to	est case is d	ledicated to test a foreign vehicle V_for			
Test Scenario	We m	ix the scend	ario 2 described in « Testfest scenarios » and the use case RWW.			
used						
Pre-test	Comn	non InterCo	r_CTL is only used for file format.			
Conditions	The co	ontent of th	ne CTL of each vehicle is <b>signed</b> with its home RCA (the content is t	he same). They are preloaded in each vehicle.		
	It sho	It should contain all RCAs.				
	The Ir	The InterCor_CRL has to include the French RCA (as a revoked authority).				
	InterC	Cor_CRL and	the InterCor_CTL are preloaded in <i>vehicle V_for</i>			
<b>Test Sequence</b>	Step	Type	Action: Description	Observation		
			Check: Expected behaviour			
	1	action	Vehicle <i>V_for</i> enters test area close to RSU Tinqueux (exact	This check will be done if the display of step 4 is not		
			location, ????) and receives the DENM from this RSU	properly done. AdHoc URCA tool using V_for pcap files.		
	2	Check	The reception of the message by the OBU of Vehicle V_for	Means: pcap files or log files or vendor assessment		
	3	action	Vehicle <i>V_for</i> drives into the relevance area	AdHoc URCA tool using V_for pcap files.		
	4	check	Any information has not to be displayed to the driver	We check manually. If the event is displayed properly,		
			HMI should not show anything (no RWW)	that means that the security scenario is successful.		
	5	action	Vehicle V_for leaves the relevance area			
	6	check	The HMI continues not to display anything.	We check manually		
Comments	Optio	nal addition	nal information	1		

Test operator information			
Company	Name of the company		
Test operator	Name(s) and e-mail address(es) of the person that performed the test		
OBU identifier	Product description/id in case you test with several devices		
Test date/time	Exact time when the test was performed. This is important for the log analysis		
Test log provided	Yes/No A reason for a No answer would be appreciated		
Log file name/format	Name of the log file and file format, if you provide log files		



			InterCor Interoperability Test Case			
Test Identifier	TC2_1	! <i>c</i>				
Test Objective	This to	This test aims to verify that a message received from an ITSS belonging to a foreign domain and signed with a AT trusted by a revoked AA will be				
	discar	discarded. The received message is a DENM about RWW (OHLN - extreme weather conditions : 17-1) ahead.				
	This to	This test case is dedicated to test a foreign vehicle V_for				
Test Scenario used	We m	We mix the scenario 2 described in « Testfest scenarios » and the use case RWW.				
Pre-test	Comn	non InterCo	r_CTL is only used for file format.			
Conditions	The co	ontent of th	ne CTL of each vehicle is <b>signed</b> with its home RCA (the content is the	same). They are preloaded in each vehicle.		
	It sho	uld contain	all RCAs.			
	The In	iterCor_CRI	has to include the French RCA (as a revoked authority).			
	InterCor_CRL and the InterCor_CTL are preloaded in vehicle V_for					
<b>Test Sequence</b>	Step	Туре	Action: Description	Observation		
			Check: Expected behaviour			
	1	action	Vehicle V_for enters test area close to RSU CSR (exact	This check will be done if the display of step 4 is not		
			location, ????) and receives the DENM from this RSU	properly done. AdHoc URCA tool using V_for pcap files.		
	2	Check	The reception of the message by the OBU of Vehicle V_for	Means: pcap files or log files or vendor assessment		
	3	action	Vehicle <i>V_for</i> drives into the relevance area	AdHoc URCA tool using V_for pcap files.		
	4	check	Any information has not to be displayed to the driver at location	We check manually. If the event is displayed properly,		
			YY	that means that the security scenario is successful.		
			HMI should not show anything (no RWW ahead in ZZZ m)			
	5	action	Vehicle V_for leaves the relevance area			
	6	check	The HMI continues not to display anything.	We check manually		
Comments	Optio	 nal additior	al information			

Test operator information		
Company	Name of the company	
Test operator	Name(s) and e-mail address(es) of the person that performed the test	
OBU identifier	Product description/id in case you test with several devices	
Test date/time	Exact time when the test was performed. This is important for the log analysis	
Test log provided	Yes/No A reason for a No answer would be appreciated	
Log file name/format	Name of the log file and file format, if you provide log files	



			InterCor Interoperability Test Case			
Test Identifier	TC2_1d					
Test Objective	This to	This test aims to verify that a message received from an ITSS belonging to a foreign domain and signed with a AT trusted by a revoked AA will be				
	discar	ded. <i>The re</i>	eceived message is a DENM about RWW (Winter maintenance – Sa	lting in progress : 26 - 8) ahead.		
	This to	est case is a	ledicated to test a foreign vehicle V_for			
Test Scenario used	We m	ix the scend	ario 2 described in « Testfest scenarios » and the use case RWW.			
Pre-test	Comn	non InterCo	or_CTL is only used for file format.			
Conditions	The co	ontent of th	ne CTL of each vehicle is <b>signed</b> with its home RCA (the content is t	he same). They are preloaded in each vehicle.		
		uld contain				
		The InterCor_CRL has to include the French RCA (as a revoked authority).				
	InterC	InterCor_CRL and the InterCor_CTL are preloaded in <i>vehicle V_for</i>				
Test Sequence	Step	Type	Action: Description	Observation		
			Check: Expected behaviour			
	1	action	Vehicle <i>V_for</i> moves close to the OBU_RO and receives the	This check will be done if the display of step 4 is not		
			DENM from this OBU	properly done. AdHoc URCA tool using V_for pcap files.		
	2	Check	The reception of the message by the OBU of Vehicle <i>V_for</i>	Means: pcap files or log files or vendor assessment		
	3	action	Vehicle V_for continues driving	AdHoc URCA tool using V_for pcap files.		
	4	check	Any information has not to be displayed to the driver	We check manually. If the event is displayed properly,		
			HMI should not show anything (no Road maintenance)	that means that the security scenario is successful.		
	5	action	Vehicle V_for continues driving			
	6	check	The HMI continues not to display anything.	We check manually		
Comments	Optio	 nal additior	al information	L		

Test operator information		
Company	Name of the company	
Test operator	Name(s) and e-mail address(es) of the person that performed the test	
OBU identifier	Product description/id in case you test with several devices	
Test date/time	Exact time when the test was performed. This is important for the log analysis	
Test log provided	Yes/No A reason for a No answer would be appreciated	
Log file name/format	Name of the log file and file format, if you provide log files	



			InterCor Interoperability Test Case			
Test Identifier	TC2_1e					
Test Objective	This test aims to verify that a message received from an ITSS belonging to a foreign domain and signed with a AT trusted by a revoked AA will be					
	discar	ded. <i>The re</i>	ceived message is a DENM about RWW (OHLN - extreme weather	conditions : 17-1) ahead.		
	This to	est case is a	ledicated to test a foreign vehicle V_for			
Test Scenario used	We m	ix the scend	ario 2 described in « Testfest scenarios » and the use case RWW.			
Pre-test	Comn	non InterCo	r_CTL is only used for file format.			
Conditions	The co	ontent of th	ne CTL of each vehicle is <b>signed</b> with its home RCA (the content is	the same). They are preloaded in each vehicle.		
	It sho	It should contain all RCAs.				
	The Ir	The InterCor_CRL has to include the French RCA (as a revoked authority).				
	Inter	Cor_CRL and	d the InterCor_CTL are preloaded in <i>vehicle V_for</i>			
<b>Test Sequence</b>	Step	Туре	Action: Description	Observation		
			Check: Expected behaviour			
	1	action	Vehicle V_for enters test area close to RSU Taissy (exact	This check will be done if the display of step 4 is not		
			location, ????) and receives the DENM from this RSU	properly done. AdHoc URCA tool using V_for pcap files.		
	2	Check	The reception of the message by the OBU of Vehicle V_for	Means: pcap files or log files or vendor assessment		
	3	action	Vehicle V_for drives into the relevance area	AdHoc URCA tool using V_for pcap files.		
	4	check	Any information has not to be displayed to the driver	We check manually. If the event is displayed properly,		
			HMI should not show anything (no RWW)	that means that the security scenario is successful.		
	5	action	Vehicle V_for leaves the relevance area			
	6	check	The HMI continues not to display anything.	We check manually		
Comments	Optio	 nal additior	nal information			

Test operator information			
Company	Name of the company		
Test operator	Name(s) and e-mail address(es) of the person that performed the test		
OBU identifier	Product description/id in case you test with several devices		
Test date/time	Exact time when the test was performed. This is important for the log analysis		
Test log provided	Yes/No A reason for a No answer would be appreciated		
Log file name/format	Name of the log file and file format, if you provide log files		



			InterCor Interoperability Test Case			
Test Identifier	TC2_1f					
Test Objective	This test aims to verify that a message received from an ITSS belonging to a foreign domain and signed with a AT trusted by a revoked AA will be					
	discar	ded. <i>The re</i>	ceived message is a DENM about RWW (OHLN extreme Human pre	sence on the road : 12-0) ahead.		
	This to	est case is a	ledicated to test a foreign vehicle V_for			
Test Scenario	We m	ix the scend	ario 2 described in « Testfest scenarios » and the use case RWW.			
used						
Pre-test	Comm	non InterCo	r_CTL is only used for file format.			
Conditions	The co	ontent of th	ne CTL of each vehicle is <b>signed</b> with its home RCA (the content is th	e same). They are preloaded in each vehicle.		
	It sho	uld contain	all RCAs.			
	The In	The InterCor_CRL has to include the French RCA (as a revoked authority).				
	InterC	InterCor_CRL and the InterCor_CTL are preloaded in <i>vehicle V_for</i>				
<b>Test Sequence</b>	Step	Type	Action: Description	Observation		
			Check: Expected behaviour			
	1	action	Vehicle V_for moves 5 km far away from RSU Saint Rémi and	This check will be done if the display of step 4 is not		
			receives the DENM from a French OBU	properly done. AdHoc URCA tool using V_for pcap files.		
	2	Check	The reception of the message by the OBU of Vehicle V_for	Means: pcap files or log files or vendor assessment		
	3	action	Vehicle V_for continues driving	AdHoc URCA tool using V_for pcap files.		
	4	check	Any information has not to be displayed to the driver	We check manually. If the event is displayed properly,		
			HMI should not show anything (no Human Presence)	that means that the security scenario is successful.		
	5	action	Vehicle V_for continues driving			
	6	check	The HMI continues not to display anything.	We check manually		
Comments	Option	nal additior	nal information	1		

Test operator information			
Company	Name of the company		
Test operator	Name(s) and e-mail address(es) of the person that performed the test		
OBU identifier	Product description/id in case you test with several devices		
Test date/time	Exact time when the test was performed. This is important for the log analysis		
Test log provided	Yes/No A reason for a No answer would be appreciated		
Log file name/format	Name of the log file and file format, if you provide log files		



			InterCor Interoperability Test Case			
Test Identifier	TC2_2	TC2_2a				
Test Objective	This test aims to verify that a message received from an ITSS belonging to a foreign domain and signed with a AT trusted by a revoked AA will be					
	discar	ded. <i>The re</i>	ceived message is a DENM about RWW (OHLN: Obstacle on the roo	ad - 10-0) ahead.		
	This to	est case is a	ledicated to test a French vehicle V_fre			
Test Scenario used	We m	ix the scend	ario 2 described in « Testfest scenarios » and the use case RWW.			
Pre-test	Comn	non InterCo	r_CTL is only used for file format.			
Conditions			e CTL of each vehicle is <b>signed</b> with its home RCA (the content is th	ne same). They are preloaded in each vehicle.		
	It sho	It should contain all RCAs.				
	The Ir	The InterCor_CRL has to include a Foreign RCA (as a revoked authority).				
	Inter	Cor_CRL and	the InterCor_CTL are preloaded in vehicle V_fre			
Test Sequence	Step	Туре	Action: Description	Observation		
			Check: Expected behaviour			
	1	action	Vehicle V_fre enters test area close to RSU Saint-Remi (exact	This check will be done if the display of step 4 is not		
			location, ????) and receives the DENM from this RSU	properly done. AdHoc URCA tool using V_fre pcap files.		
	2	Check	The reception of the message by the OBU of Vehicle V_fre	Means: pcap files or log files or vendor assessment		
	3	action	Vehicle V_fre drives into the relevance area	AdHoc URCA tool using V_fre pcap files.		
	4	check	Any information has not to be displayed to the driver	We check manually. If the event is displayed properly,		
			HMI should not show anything (no RWW)	that means that the security scenario is successful.		
	5	action	Vehicle V_fre leaves the relevance area			
	6	check	The HMI continues not to display anything.	We check manually		
Comments	Optio	 nal additior	nal information			

Test operator information		
Company	Name of the company	
Test operator	Name(s) and e-mail address(es) of the person that performed the test	
OBU identifier	Product description/id in case you test with several devices	
Test date/time	Exact time when the test was performed. This is important for the log analysis	
Test log provided	Yes/No A reason for a No answer would be appreciated	
Log file name/format	Name of the log file and file format, if you provide log files	



			InterCor Interoperability Test Case			
Test Identifier	TC2_2	TC2_2b				
Test Objective	This t	This test aims to verify that a message received from an ITSS belonging to a foreign domain and signed with a AT trusted by a revoked AA will be				
	discar	ded. <i>The re</i>	ceived message is a DENM about RWW (Alert neutralization of par	rt of a lane : 3-0) ahead.		
	This to	est case is a	ledicated to test a French vehicle V_fre			
Test Scenario used	We m	ix the scend	ario 2 described in « Testfest scenarios » and the use case RWW.			
Pre-test	Comn	non InterCo	r_CTL is only used for file format.			
Conditions			e CTL of each vehicle is <b>signed</b> with its home RCA (the content is t	he same). They are preloaded in each vehicle.		
	It sho	It should contain all RCAs.				
	The Ir	The InterCor_CRL has to include the foreign RCA (as a revoked authority).				
	Inter	Cor_CRL and	the InterCor_CTL are preloaded in vehicle V_fre			
Test Sequence	Step	Туре	Action: Description	Observation		
			Check: Expected behaviour			
	1	action	Vehicle V_fre enters test area close to RSU Tinqueux (exact	This check will be done if the display of step 4 is not		
			location, ????) and receives the DENM from this RSU	properly done. AdHoc URCA tool using V_fre pcap files.		
	2	Check	The reception of the message by the OBU of Vehicle V_fre	Means: pcap files or log files or vendor assessment		
	3	action	Vehicle <i>V_fre</i> drives into the relevance area	AdHoc URCA tool using V_fre pcap files.		
	4	check	Any information has not to be displayed to the driver	We check manually. If the event is displayed properly,		
			HMI should not show anything (no RWW)	that means that the security scenario is successful.		
	5	action	Vehicle V_fre leaves the relevance area			
	6	check	The HMI continues not to display anything.	We check manually		
Comments	Optio	<u> </u> nal additior	 nal information			

Test operator information		
Company	Name of the company	
Test operator	Name(s) and e-mail address(es) of the person that performed the test	
OBU identifier	Product description/id in case you test with several devices	
Test date/time	Exact time when the test was performed. This is important for the log analysis	
Test log provided	Yes/No A reason for a No answer would be appreciated	
Log file name/format	Name of the log file and file format, if you provide log files	



			InterCor Interoperability Test Case				
Test Identifier	TC2_2c						
Test Objective		This test aims to verify that a message received from an ITSS belonging to a foreign domain and signed with a AT trusted by a revoked AA will be					
			ceived message is a DENM about RWW (OHLN - extreme weather	conditions : 17-1) ahead.			
			ledicated to test a French vehicle V_fre				
Test Scenario used	We m	ix the scend	ario 2 described in « Testfest scenarios » and the use case RWW.				
Pre-test	Comn	non InterCo	r_CTL is only used for file format.				
Conditions	The co	ontent of th	ne CTL of each vehicle is <b>signed</b> with its home RCA (the content is t	the same). They are preloaded in each vehicle.			
	It sho	uld contain	all RCAs.				
	The In	The InterCor_CRL has to include the foreign RCA (as a revoked authority).					
	InterC	Cor_CRL and	the InterCor_CTL are preloaded in vehicle V_fre				
Test Sequence	Step	Туре	Action: Description	Observation			
			Check: Expected behaviour				
	1	action	Vehicle <i>V_fre</i> enters test area close to RSU CSR (exact	This check will be done if the display of step 4 is not			
			location, ????) and receives the DENM from this RSU	properly done. AdHoc URCA tool using V_fre pcap files.			
	2	Check	The reception of the message by the OBU of Vehicle <i>V_fre</i>	Means: pcap files or log files or vendor assessment			
	3	action	Vehicle V_fre drives into the relevance area	AdHoc URCA tool using V_fre pcap files.			
	4	check	Any information has not to be displayed to the driver	We check manually. If the event is displayed properly,			
			HMI should not show anything (no RWW ahead)	that means that the security scenario is successful.			
	5	action	Vehicle V_fre leaves the relevance area				
	6	check	The HMI continues not to display anything.	We check manually			
Comments	Optio	 nal additior	al information				

	Test operator information		
Company	Name of the company		
Test operator	Name(s) and e-mail address(es) of the person that performed the test		
OBU identifier	Product description/id in case you test with several devices		
Test date/time	Exact time when the test was performed. This is important for the log analysis		
Test log provided	Yes/No A reason for a No answer would be appreciated		
Log file name/format	Name of the log file and file format, if you provide log files		



			InterCor Interoperability Test Case				
Test Identifier	TC2_2d						
Test Objective	This t	This test aims to verify that a message received from an ITSS belonging to a foreign domain and signed with a AT trusted by a revoked AA will be					
	discar	ded. <i>The re</i>	ceived message is a DENM about RWW (Winter maintenance – Sa	lting in progress : 26 - 8) ahead.			
	This to	est case is d	ledicated to test a French vehicle V_fre				
<b>Test Scenario</b>	We m	ix the scend	ario 2 described in « Testfest scenarios » and the use case RWW.				
used							
Pre-test	Comn	non InterCo	r_CTL is only used for file format.				
Conditions	The co	ontent of th	ne CTL of each vehicle is <b>signed</b> with its home RCA (the content is t	he same). They are preloaded in each vehicle.			
	It sho	uld contain	all RCAs.				
	The Ir	The InterCor_CRL has to include the foreign RCA (as a revoked authority).					
	Inter	Cor_CRL and	the InterCor_CTL are preloaded in <i>vehicle V_fre</i>				
<b>Test Sequence</b>	Step	Туре	Action: Description	Observation			
			Check: Expected behaviour				
	1	action	Vehicle <i>V_fre</i> moves close to the OBU_RO and receives the	This check will be done if the display of step 4 is not			
			DENM from this OBU	properly done. AdHoc URCA tool using V_fre pcap files.			
	2	Check	The reception of the message by the OBU of Vehicle <i>V_fre</i>	Means: pcap files or log files or vendor assessment			
	3	action	Vehicle V_fre continues driving	AdHoc URCA tool using V_fre pcap files.			
	4	check	Any information has not to be displayed to the driver	We check manually. If the event is displayed properly,			
			HMI should not show anything (no Road maintenance)	that means that the security scenario is successful.			
	5	action	Vehicle V_fre continues driving				
	6	check	The HMI continues not to display anything.	We check manually			
<u> </u>							
Comments	Optional additional information						

Test operator information			
Company	Name of the company		
Test operator	Name(s) and e-mail address(es) of the person that performed the test		
OBU identifier	Product description/id in case you test with several devices		
Test date/time	Exact time when the test was performed. This is important for the log analysis		
Test log provided	Yes/No A reason for a No answer would be appreciated		
Log file name/format	Name of the log file and file format, if you provide log files		



			InterCor Interoperability Test Case				
Test Identifier	TC2_2e						
Test Objective	This t	This test aims to verify that a message received from an ITSS belonging to a foreign domain and signed with a AT trusted by a revoked AA will be					
	discar	ded. <i>The re</i>	ceived message is a DENM about RWW (OHLN - extreme weather	conditions : 17-1) ahead.			
	This to	est case is a	ledicated to test a French vehicle V_fre				
Test Scenario	We m	ix the scend	ario 2 described in « Testfest scenarios » and the use case RWW.				
used							
Pre-test	Comn	non InterCo	r_CTL is only used for file format.				
Conditions	The co	ontent of th	ne CTL of each vehicle is <b>signed</b> with its home RCA (the content is	the same). They are preloaded in each vehicle.			
	It sho	It should contain all RCAs.					
	The Ir	The InterCor_CRL has to include the foreign RCA (as a revoked authority).					
	Inter	InterCor_CRL and the InterCor_CTL are preloaded in vehicle V_fre					
<b>Test Sequence</b>	Step	Туре	Action: Description	Observation			
			Check: Expected behaviour				
	1	action	Vehicle V_fre enters test area close to RSU Taissy (exact	This check will be done if the display of step 4 is not			
			location, ????) and receives the DENM from this RSU	properly done. AdHoc URCA tool using V_fre pcap files.			
	2	Check	The reception of the message by the OBU of Vehicle <i>V_fre</i>	Means: pcap files or log files or vendor assessment			
	3	action	Vehicle V_fre drives into the relevance area	AdHoc URCA tool using V_fre pcap files.			
	4	check	Any information has not to be displayed to the driver	We check manually. If the event is displayed properly,			
			HMI should not show anything (no RWW)	that means that the security scenario is successful.			
	5	action	Vehicle V_fre leaves the relevance area				
	6	check	The HMI continues not to display anything.	We check manually			
Comments	Optio	nal additior	nal information	<del>'</del>			

Test operator information		
Company	Name of the company	
Test operator	Name(s) and e-mail address(es) of the person that performed the test	
OBU identifier	Product description/id in case you test with several devices	
Test date/time	Exact time when the test was performed. This is important for the log analysis	
Test log provided	Yes/No A reason for a No answer would be appreciated	
Log file name/format	Name of the log file and file format, if you provide log files	



			InterCor Interoperability Test Case				
Test Identifier	TC2_2f						
Test Objective	This test aims to verify that a message received from an ITSS belonging to a foreign domain and signed with a AT trusted by a revoked AA will be						
	discar	discarded. The received message is a DENM about RWW (OHLN extreme Human presence on the road : 12-0) ahead.					
	This to	est case is a	ledicated to test a French vehicle V_fre				
Test Scenario used	We m	ix the scen	ario 2 described in « Testfest scenarios » and the use case RWW.				
Pre-test	Comn	non InterCo	or_CTL is only used for file format.				
Conditions	The co	ontent of th	ne CTL of each vehicle is <b>signed</b> with its home RCA (the content is th	ne same). They are preloaded in each vehicle.			
	It sho	uld contain	all RCAs.				
	The In	The InterCor_CRL has to include the <i>foreign</i> RCA (as a revoked authority).					
	InterC	Cor_CRL and	d the InterCor_CTL are preloaded in <i>vehicle V_fre</i>				
Test Sequence	Step	Type	Action: Description	Observation			
			Check: Expected behaviour				
	1	action	Vehicle V_fre moves 5 km far away from RSU Saint Rémi and	This check will be done if the display of step 4 is not			
			receives the DENM from a French OBU	properly done. AdHoc URCA tool using V_fre pcap files.			
	2	Check	The reception of the message by the OBU of Vehicle V_fre	Means: pcap files or log files or vendor assessment			
	3	action	Vehicle V_fre continues driving	AdHoc URCA tool using V_fre pcap files.			
	4	check	Any information has not to be displayed to the driver	We check manually. If the event is displayed properly,			
			HMI should not show anything (no Human Presence)	that means that the security scenario is successful.			
	5	action	Vehicle V_fre continues driving				
	6	check	The HMI continues not to display anything.	We check manually			
Comments	Optio	nal additior	nal information				

Test operator information			
Company	Name of the company		
Test operator	Name(s) and e-mail address(es) of the person that performed the test		
OBU identifier	Product description/id in case you test with several devices		
Test date/time	Exact time when the test was performed. This is important for the log analysis		
Test log provided	Yes/No A reason for a No answer would be appreciated		
Log file name/format	Name of the log file and file format, if you provide log files		



			InterCor Interoperability Test Case		
Test Identifier	TC3_1a				
Test Objective	This test aims to verify the vehicle behaviour on reception of a signed message from a foreign ITSS and signed with a valid AT.				
	The In	terCor_CRL	is expired		
	This to	est case is d	edicated to test a foreign vehicle V_for.		
Test Scenario used	We m	ix the scend	rio 3a1		
Pre-test	Comm	non InterCo	r_CRL. Is only used for file format.		
Conditions	The co	ontent of th	e CRL of each vehicle is signed with its home RCA (the content is the	he same). They are preloaded in each vehicle.	
	It sho	uld contain	all RCAs.		
	InterC	or_CRL pre	loaded has to be expired		
	InterC	InterCor_CRL are preloaded in vehicle V_for.			
Test Sequence	Step	Туре	Action: Description	Observation	
			Check: Expected behaviour		
	1	action	Vehicle V_for enters test area close to RSU Saint-Remi and	Event type will be check with AdHoc URCA tool using	
			receives a DENM with an eventType set to {10; 0}	V_for pcap files.	
	2	Check	The reception of the message by the OBU of Vehicle <i>V_for</i>	Means: pcap files or log files or vendor assessment.	
	3	action	Vehicle V_for drives into the relevance area		
	4	check	DENM should not be displayed on the HMI and should have	We check manually. If the event is not displayed, that	
			been discard by security layer.	means that the security scenario is successful.	
				AdHoc URCA tool using V_for pcap files.	
	5	action	Vehicle V_for leaves the relevance area		
	6	check	The information still not displayed.	We check manually.	
Comments		1	•	•	

Test operator information		
Company	Name of the company	
Test operator	Name(s) and e-mail address(es) of the person that performed the test	
OBU identifier	Product description/id in case you test with several devices	
Test date/time	Exact time when the test was performed. This is important for the log analysis	



Test log provided	Yes/No A reason for a No answer would be appreciated
Log file name/format	Name of the log file and file format, if you provide log files

			InterCor Interoperability Test Case	
Test Identifier	TC3_1	!b		
Test Objective	This test aims to verify the vehicle behaviour on reception of a signed message from a foreign ITSS and signed with a valid AT.			
	The In	nterCor_CR	L is expired	
	This to	est case is c	ledicated to test a foreign vehicle V_for.	
Test Scenario used	We m	ix the scen	ario 3a2	
Pre-test	Comm	non InterCo	or_CRL. Is only used for file format.	
Conditions	The co	ontent of th	ne CRL of each vehicle is signed with its home RCA (the content is t	he same). They are preloaded in each vehicle.
	It sho	uld contain	all RCAs.	
	InterC	Cor_CRL pre	eloaded has to be expired	
	InterC	Cor_CRL are	e preloaded in <i>vehicle V_for.</i>	
Test Sequence	Step	Type	Action: Description	Observation
			Check: Expected behaviour	
	1	action	Vehicle V_for enters test area close to RSU Tinqueux and	Event type will be check with AdHoc URCA tool using
			receives a DENM with an eventType set to {3; 0}	V_for pcap files.
	2	Check	The reception of the message by the OBU of Vehicle <i>V_for</i>	Means: pcap files or log files or vendor assessment.
	3	action	Vehicle V_for drives into the relevance area	
	4	check	DENM should not be displayed on the HMI and should have	We check manually. If the event is not displayed, that
			been discard by security layer.	means that the security scenario is successful.
				AdHoc URCA tool using V_for pcap files.
	5	action	Vehicle <i>V_for</i> leaves the relevance area	
	6	check	The information still not displayed.	We check manually.
Comments		•		

Test operator information			
Company	Company Name of the company		
Test operator	Name(s) and e-mail address(es) of the person that performed the test		
OBU identifier	OBU identifier Product description/id in case you test with several devices		



Test date/time	Exact time when the test was performed. This is important for the log analysis
Test log provided	Yes/No A reason for a No answer would be appreciated
Log file name/format	Name of the log file and file format, if you provide log files

			InterCor Interoperability Test Case	
Test Identifier	TC3_1	lc		
<b>Test Objective</b>	This test aims to verify the vehicle behaviour on reception of a signed message from a foreign ITSS and signed with a valid AT.			
	The Ir	nterCor_CRL	is expired	
	This to	est case is de	edicated to test a foreign vehicle V_for.	
<b>Test Scenario</b>	We m	We mix the scenario 3a3		
used				
Pre-test	Comn	non InterCor	_CRL. Is only used for file format.	
Conditions	The co	ontent of the	e CRL of each vehicle is signed with its home RCA (the content is the	e same). They are preloaded in each vehicle.
	It sho	uld contain a	all RCAs.	
		_	oaded has to be expired	
	InterCor_CRL are preloaded in vehicle V_for.			
Test Sequence	Step	Туре	Action: Description	Observation
			Check: Expected behaviour	
	1	action	Vehicle <i>V_for</i> enters test area close to RSU CSR and receives a	Event type will be check with AdHoc URCA tool using
			DENM with an eventType set to {17; 1}	V_for pcap files.
	2	Check	The reception of the message by the OBU of Vehicle <i>V_for</i>	Means: pcap files or log files or vendor assessment.
	3	action	Vehicle <i>V_for</i> drives into the relevance area	
	4	check	DENM should not be displayed on the HMI and should have	We check manually. If the event is not displayed, that
			been discard by security layer.	means that the security scenario is successful.
				AdHoc URCA tool using V_for pcap files.
	5	action	Vehicle <i>V_for</i> leaves the relevance area	
	6	check	The information still not displayed.	We check manually.
Comments				

Test operator information				
Company	ompany Name of the company			
Test operator				



OBU identifier	Product description/id in case you test with several devices
Test date/time	Exact time when the test was performed. This is important for the log analysis
Test log provided	Yes/No A reason for a No answer would be appreciated
Log file name/format	Name of the log file and file format, if you provide log files

			InterCor Interoperability Test Case		
Test Identifier	TC3_1	ld			
Test Objective	This test aims to verify the vehicle behaviour on reception of a signed message from a foreign ITSS and signed with a valid AT.				
	The InterCor_CRL is expired				
	This to	est case is d	edicated to test a foreign vehicle V_for.		
Test Scenario used	We mix the scenario 3a4				
Pre-test	Comn	non InterCo	r_CRL. Is only used for file format.		
Conditions	The co	ontent of th	e CRL of each vehicle is signed with its home RCA (the content is the	e same). They are preloaded in each vehicle.	
	It sho	uld contain	all RCAs.		
	InterC	Cor_CRL pre	loaded has to be expired		
	InterC	Cor_CRL are	e preloaded in <i>vehicle V_for.</i>		
<b>Test Sequence</b>	Step	Type	Action: Description	Observation	
			Check: Expected behaviour		
	1	action	Vehicle <i>V_for</i> enters test area close to OBU_RO and receives a	Event type will be check with AdHoc URCA tool using	
			DENM with an eventType set to {26; 8}	V_for pcap files.	
	2	Check	The reception of the message by the OBU of Vehicle V_for	Means: pcap files or log files or vendor assessment.	
	3	action	Vehicle V_for drives into the relevance area		
	4	check	DENM should not be displayed on the HMI and should have	We check manually. If the event is not displayed, that	
			been discard by security layer.	means that the security scenario is successful.	
				AdHoc URCA tool using V_for pcap files.	
	5	action	Vehicle V_for leaves the relevance area		
	6	check	The information still not displayed.	We check manually.	
Comments					

Test operator information				
Company	Name of the company			



Test operator	Name(s) and e-mail address(es) of the person that performed the test
OBU identifier	Product description/id in case you test with several devices
Test date/time	Exact time when the test was performed. This is important for the log analysis
Test log provided	Yes/No A reason for a No answer would be appreciated
Log file name/format	Name of the log file and file format, if you provide log files

			InterCor Interoperability Test Case	
Test Identifier	TC3_1e			
Test Objective	This test aims to verify the vehicle behaviour on reception of a signed message from a foreign ITSS and signed with a valid AT.			
	The In	terCor_CRL	is expired	
	This to	est case is d	edicated to test a foreign vehicle V_for.	
Test Scenario used	We mix the scenario 3a5			
Pre-test	Comn	non InterCo	_CRL. Is only used for file format.	
Conditions	The co	ontent of th	e CRL of each vehicle is signed with its home RCA (the content is the	same). They are preloaded in each vehicle.
	It sho	uld contain	all RCAs.	
	InterC	cor_CRL prel	oaded has to be expired	
	InterCor_CRL are preloaded in <i>vehicle V_for</i> .			
Test Sequence	Step	Туре	Action: Description	Observation
			Check: Expected behaviour	
	1	action	Vehicle <i>V_for</i> enters test area close to RSU Taissy and receives a	Event type will be check with AdHoc URCA tool using
			DENM with an eventType set to {17; 1}	V_for pcap files.
	2	Check	The reception of the message by the OBU of Vehicle V_for	Means: pcap files or log files or vendor assessment.
	3	action	Vehicle <i>V_for</i> drives into the relevance area	
	4	check	DENM should not be displayed on the HMI and should have	We check manually. If the event is not displayed, that
			been discard by security layer.	means that the security scenario is successful.
				AdHoc URCA tool using V_for pcap files.
	5	action	Vehicle <i>V_for</i> leaves the relevance area	
	6	check	The information still not displayed.	We check manually.
Comments		•	•	

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Tast		information	
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Company	Name of the company
Test operator	Name(s) and e-mail address(es) of the person that performed the test
OBU identifier	Product description/id in case you test with several devices
Test date/time	Exact time when the test was performed. This is important for the log analysis
Test log provided	Yes/No A reason for a No answer would be appreciated
Log file name/format	Name of the log file and file format, if you provide log files

			InterCor Interoperability Test Case			
Test Identifier	TC3_1	<u>!f</u>				
Test Objective	This test aims to verify the vehicle behaviour on reception of a signed message from a foreign ITSS and signed with a valid AT.					
	The In	The InterCor_CRL is expired				
	This to	est case is d	ledicated to test a foreign vehicle V_for.			
Test Scenario	We m	We mix the scenario 3a6				
used						
Pre-test	Comn	non InterCo	r_CRL. Is only used for file format.			
Conditions	The co	ontent of th	e CRL of each vehicle is signed with its home RCA (the content is the	same). They are preloaded in each vehicle.		
	It sho	uld contain	all RCAs.			
	InterC	Cor_CRL pre	loaded has to be expired			
	InterC	InterCor_CRL are preloaded in vehicle V_for.				
<b>Test Sequence</b>	Step	Type	Action: Description	Observation		
			Check: Expected behaviour			
	1	action	Vehicle V_for leaves test area close to RSU Saint Remi (5km) and	Event type will be check with AdHoc URCA tool using		
			receives a DENM from french obu with an eventType set to {12;	V_for pcap files.		
			0}			
	2	Check	The reception of the message by the OBU of Vehicle V_for	Means: pcap files or log files or vendor assessment.		
	3	action	Vehicle V_for drives into the relevance area			
	4	check	DENM should not be displayed on the HMI and should have	We check manually. If the event is not displayed, that		
			been discard by security layer.	means that the security scenario is successful.		
				AdHoc URCA tool using V_for pcap files.		
	5	action	Vehicle V_for leaves the relevance area			
	6	check	The information still not displayed.	We check manually.		
Comments						



			Test operator information			
Company		Name	Name of the company			
Test operator		Name	Name(s) and e-mail address(es) of the person that performed the test			
OBU identifier		Produ	Product description/id in case you test with several devices			
Test date/time		Exact	Exact time when the test was performed. This is important for the log analysis			
		Yes/N	o A reason for a No answer would be appreciated			
Log file name/fo	rmat	Name	of the log file and file format, if you provide log files			
			InterCor Interoperability Test Case			
Test Identifier	TC3_2	а				
Test Objective	This te	est aims to	verify the vehicle behaviour on reception of a signed message fron	n a foreign ITSS and signed with a valid AT.		
	The In	terCor_CR	L is expired			
	This te	est case is a	ledicated to test a french vehicle V_for.			
<b>Test Scenario</b>	We m	ix the scend	ario 3b1			
used						
Pre-test			or_CRL. Is only used for file format.			
Conditions		The content of the CRL of each vehicle is signed with its home RCA (the content is the same). They are preloaded in each vehicle.				
		It should contain all RCAs.				
	InterCor_CRL preloaded has to be expired					
	InterCor_CRL are preloaded in vehicle V_for.					
Test Sequence	Cton		<del>-</del>			
	Step	Туре	Action: Description	Observation		
			Action: Description Check: Expected behaviour			
	1	<b>Type</b> action	Action: Description Check: Expected behaviour Vehicle V_for enters test area close to RSU Saint-Remi and	Event type will be check with AdHoc URCA tool using		
	1	action	Action: Description Check: Expected behaviour Vehicle V_for enters test area close to RSU Saint-Remi and receives a DENM with an eventType set to {10; 0}	Event type will be check with AdHoc URCA tool using V_for pcap files.		
			Action: Description Check: Expected behaviour Vehicle V_for enters test area close to RSU Saint-Remi and	Event type will be check with AdHoc URCA tool using		
	1	action	Action: Description Check: Expected behaviour Vehicle V_for enters test area close to RSU Saint-Remi and receives a DENM with an eventType set to {10; 0}	Event type will be check with AdHoc URCA tool using V_for pcap files.		
	1 2	action Check	Action: Description Check: Expected behaviour  Vehicle V_for enters test area close to RSU Saint-Remi and receives a DENM with an eventType set to {10; 0}  The reception of the message by the OBU of Vehicle V_for  Vehicle V_for drives into the relevance area  DENM should not be displayed on the HMI and should have	Event type will be check with AdHoc URCA tool using V_for pcap files.  Means: pcap files or log files or vendor assessment.  We check manually. If the event is not displayed, that		
	1 2 3	action Check action	Action: Description Check: Expected behaviour  Vehicle V_for enters test area close to RSU Saint-Remi and receives a DENM with an eventType set to {10; 0}  The reception of the message by the OBU of Vehicle V_for  Vehicle V_for drives into the relevance area	Event type will be check with AdHoc URCA tool using V_for pcap files.  Means: pcap files or log files or vendor assessment.  We check manually. If the event is not displayed, that means that the security scenario is successful.		
	1 2 3 4	action Check action check	Action: Description Check: Expected behaviour  Vehicle V_for enters test area close to RSU Saint-Remi and receives a DENM with an eventType set to {10; 0}  The reception of the message by the OBU of Vehicle V_for  Vehicle V_for drives into the relevance area  DENM should not be displayed on the HMI and should have been discard by security layer.	Event type will be check with AdHoc URCA tool using V_for pcap files.  Means: pcap files or log files or vendor assessment.  We check manually. If the event is not displayed, that		
	1 2 3	action Check action	Action: Description Check: Expected behaviour  Vehicle V_for enters test area close to RSU Saint-Remi and receives a DENM with an eventType set to {10; 0}  The reception of the message by the OBU of Vehicle V_for  Vehicle V_for drives into the relevance area  DENM should not be displayed on the HMI and should have	Event type will be check with AdHoc URCA tool using V_for pcap files.  Means: pcap files or log files or vendor assessment.  We check manually. If the event is not displayed, that means that the security scenario is successful.		
	1 2 3 4	action Check action check	Action: Description Check: Expected behaviour  Vehicle V_for enters test area close to RSU Saint-Remi and receives a DENM with an eventType set to {10; 0}  The reception of the message by the OBU of Vehicle V_for  Vehicle V_for drives into the relevance area  DENM should not be displayed on the HMI and should have been discard by security layer.	Event type will be check with AdHoc URCA tool using V_for pcap files.  Means: pcap files or log files or vendor assessment.  We check manually. If the event is not displayed, that means that the security scenario is successful.		

## Test operator information



Company	Name of the company
Test operator	Name(s) and e-mail address(es) of the person that performed the test
OBU identifier	Product description/id in case you test with several devices
Test date/time	Exact time when the test was performed. This is important for the log analysis
Test log provided	Yes/No A reason for a No answer would be appreciated
Log file name/format	Name of the log file and file format, if you provide log files

			InterCor Interoperability Test Case				
Test Identifier	TC3_2b						
Test Objective	This to	This test aims to verify the vehicle behaviour on reception of a signed message from a foreign ITSS and signed with a valid AT.					
	The In	nterCor_CR	L is expired				
	This to	est case is c	ledicated to test a french vehicle V_for.				
Test Scenario used	We m	We mix the scenario 3b2					
Pre-test	Comn	non InterCo	or_CRL. Is only used for file format.				
Conditions			ne CRL of each vehicle is signed with its home RCA (the content is the	he same). They are preloaded in each vehicle.			
	It sho	uld contain	all RCAs.				
	InterC	Cor_CRL pre	eloaded has to be expired				
	InterC	InterCor_CRL are preloaded in vehicle V_for.					
Test Sequence	Step	Туре	Action: Description	Observation			
			Check: Expected behaviour				
	1	action	Vehicle <i>V_for</i> enters test area close to RSU Tinqueux and	Event type will be check with AdHoc URCA tool using			
			receives a DENM with an eventType set to {3; 0}	V_for pcap files.			
	2	Check	The reception of the message by the OBU of Vehicle <i>V_for</i>	Means: pcap files or log files or vendor assessment.			
	3	action	Vehicle <i>V_for</i> drives into the relevance area				
	4	check	DENM should not be displayed on the HMI and should have	We check manually. If the event is not displayed, that			
			been discard by security layer.	means that the security scenario is successful.			
				AdHoc URCA tool using V_for pcap files.			
	5	action	Vehicle V_for leaves the relevance area				
	6	check	The information still not displayed.	We check manually.			
Comments				•			



Test operator information			
Company	Name of the company		
Test operator	Name(s) and e-mail address(es) of the person that performed the test		
OBU identifier	Product description/id in case you test with several devices		
Test date/time	Exact time when the test was performed. This is important for the log analysis		
Test log provided	Yes/No A reason for a No answer would be appreciated		
Log file name/format	Name of the log file and file format, if you provide log files		

			InterCor Interoperability Test Case			
Test Identifier	TC3_2c					
Test Objective	This test aims to verify the vehicle behaviour on reception of a signed message from a foreign ITSS and signed with a valid AT.			a foreign ITSS and signed with a valid AT.		
	The In	terCor_CRL	is expired			
	This to	est case is de	edicated to test a french vehicle V_for.			
Test Scenario	We m	ix the scena	rio 3b3			
used						
Pre-test	Comn	non InterCor	_CRL. Is only used for file format.			
Conditions	The co	ontent of the	e CRL of each vehicle is signed with its home RCA (the content is the	e same). They are preloaded in each vehicle.		
	It sho	uld contain a	all RCAs.			
	InterC	Cor_CRL prel	oaded has to be expired			
	InterCor_CRL are preloaded in vehicle V_for.					
Test Sequence	Step	Туре	Action: Description	Observation		
			Check: Expected behaviour			
	1	action	Vehicle <i>V_for</i> enters test area close to RSU CSR and receives a	Event type will be check with AdHoc URCA tool using		
			DENM with an eventType set to {17; 1}	V_for pcap files.		
	2	Check	The reception of the message by the OBU of Vehicle <i>V_for</i>	Means: pcap files or log files or vendor assessment.		
	3	action	Vehicle <i>V_for</i> drives into the relevance area			
	4	check	DENM should not be displayed on the HMI and should have	We check manually. If the event is not displayed, that		
			been discard by security layer.	means that the security scenario is successful.		
				AdHoc URCA tool using V_for pcap files.		
	5	action	Vehicle V_for leaves the relevance area			
	6	check	The information still not displayed.	We check manually.		
Comments		•	•			



Test operator information			
Company	Name of the company		
Test operator	Name(s) and e-mail address(es) of the person that performed the test		
OBU identifier	Product description/id in case you test with several devices		
<b>Test date/time</b> Exact time when the test was performed. This is important for the log analysis			
Test log provided	Yes/No A reason for a No answer would be appreciated		
Log file name/format	Name of the log file and file format, if you provide log files		

			InterCor Interoperability Test Case				
Test Identifier	TC3_2d						
Test Objective	This to	This test aims to verify the vehicle behaviour on reception of a signed message from a foreign ITSS and signed with a valid AT.					
	The In	nterCor_CRL	is expired				
	This to	est case is d	edicated to test a french vehicle V_for.				
Test Scenario used	We m	We mix the scenario 3b4					
Pre-test	Comn	non InterCo	r_CRL. Is only used for file format.				
Conditions	The co	ontent of th	e CRL of each vehicle is signed with its home RCA (the content is the	e same). They are preloaded in each vehicle.			
	It sho	uld contain	all RCAs.				
	InterC	Cor_CRL pre	loaded has to be expired				
	InterC	InterCor_CRL are preloaded in <i>vehicle V_for</i> .					
<b>Test Sequence</b>	Step	Type	Action: Description	Observation			
			Check: Expected behaviour				
	1	action	Vehicle <i>V_for</i> enters test area close to OBU_RO and receives a	Event type will be check with AdHoc URCA tool using			
			DENM with an eventType set to {26; 8}	V_for pcap files.			
	2	Check	The reception of the message by the OBU of Vehicle V_for	Means: pcap files or log files or vendor assessment.			
	3	action	Vehicle V_for drives into the relevance area				
	4	check	DENM should not be displayed on the HMI and should have	We check manually. If the event is not displayed, that			
			been discard by security layer.	means that the security scenario is successful.			
				AdHoc URCA tool using V_for pcap files.			
	5	action	Vehicle V_for leaves the relevance area				
	6	check	The information still not displayed.	We check manually.			
Comments							



Test operator information			
Company	Name of the company		
Test operator	Name(s) and e-mail address(es) of the person that performed the test		
OBU identifier	Product description/id in case you test with several devices		
Test date/time	Exact time when the test was performed. This is important for the log analysis		
Test log provided	Yes/No A reason for a No answer would be appreciated		
Log file name/format	Name of the log file and file format, if you provide log files		

			InterCor Interoperability Test Case				
Test Identifier	TC3_2e						
Test Objective	This to	This test aims to verify the vehicle behaviour on reception of a signed message from a foreign ITSS and signed with a valid AT.					
	The In	nterCor_CRL	is expired				
	This to	est case is d	edicated to test a french vehicle V_for.				
Test Scenario used	We mix the scenario 3b5						
Pre-test	Comn	non InterCo	r_CRL. Is only used for file format.				
Conditions	The co	ontent of th	e CRL of each vehicle is signed with its home RCA (the content is the	same). They are preloaded in each vehicle.			
	It sho	uld contain	all RCAs.				
	InterC	InterCor_CRL preloaded has to be expired					
	InterCor_CRL are preloaded in vehicle V_for.						
Test Sequence	Step	Type	Action: Description	Observation			
			Check: Expected behaviour				
	1	action	Vehicle <i>V_for</i> enters test area close to RSU Taissy and receives a	Event type will be check with AdHoc URCA tool using			
			DENM with an eventType set to {17; 1}	V_for pcap files.			
	2	Check	The reception of the message by the OBU of Vehicle V_for	Means: pcap files or log files or vendor assessment.			
	3	action	Vehicle V_for drives into the relevance area				
	4	check	DENM should not be displayed on the HMI and should have	We check manually. If the event is not displayed, that			
			been discard by security layer.	means that the security scenario is successful.			
				AdHoc URCA tool using V_for pcap files.			
	5	action	Vehicle <i>V_for</i> leaves the relevance area				
	6	check	The information still not displayed.	We check manually.			
Comments		•	•	•			



Test operator information			
Company	Name of the company		
Test operator	Name(s) and e-mail address(es) of the person that performed the test		
OBU identifier	Product description/id in case you test with several devices		
Test date/time	Exact time when the test was performed. This is important for the log analysis		
Test log provided	Yes/No A reason for a No answer would be appreciated		
Log file name/format	Name of the log file and file format, if you provide log files		

			InterCor Interoperability Test Case				
Test Identifier	TC3_2	TC3_2f					
Test Objective	This test aims to verify the vehicle behaviour on reception of a signed message from a foreign ITSS and signed with a valid AT.						
	The In	terCor_CRL	is expired				
	This to	est case is de	edicated to test a french vehicle V_for.				
Test Scenario	We m	ix the scena	rio 3b6				
used							
Pre-test	Comn	non InterCor	_CRL. Is only used for file format.				
Conditions	The co	ontent of the	e CRL of each vehicle is signed with its home RCA (the content is the	same). They are preloaded in each vehicle.			
	It sho	It should contain all RCAs.					
	InterC	InterCor_CRL preloaded has to be expired					
	InterCor_CRL are preloaded in vehicle V_for.						
<b>Test Sequence</b>	Step	Туре	Action: Description	Observation			
			Check: Expected behaviour				
	1	action	Vehicle <i>V_for</i> leaves test area close to RSU Saint Remi (5km) and	Event type will be check with AdHoc URCA tool using			
			receives a DENM from french obu with an eventType set to {12;	V_for pcap files.			
			0}				
	2	Check	The reception of the message by the OBU of Vehicle <i>V_for</i>	Means: pcap files or log files or vendor assessment.			
	3	action	Vehicle <i>V_for</i> drives into the relevance area				
	4	check	DENM should not be displayed on the HMI and should have	We check manually. If the event is not displayed, that			
			been discard by security layer.	means that the security scenario is successful.			
				AdHoc URCA tool using V_for pcap files.			
	5	action	Vehicle <i>V_for</i> leaves the relevance area				
	6	check	The information still not displayed.	We check manually.			
Comments							



Test operator information				
Company	Name of the company			
Test operator	Name(s) and e-mail address(es) of the person that performed the test			
OBU identifier	Product description/id in case you test with several devices			
Test date/time	Exact time when the test was performed. This is important for the log analysis			
Test log provided	Yes/No A reason for a No answer would be appreciated			
Log file name/format	Name of the log file and file format, if you provide log files			



			InterCor Interoperability Test Case			
Test Identifier	TC4_1a					
Test Objective	This test aims to verify the vehicle behaviour on reception of a signed message from a foreign ITSS and signed with an AT issued by a non-					
	truste	d foreign R	CA.			
	This to	est case is d	edicated to test a foreign vehicle V_for.			
Test Scenario used	We m	ix the scend	rio 4 described in « Testfest scenarios » and the use case "OHLN —	Obstacle on the road".		
Pre-test	Comn	non InterCo	r_CTL. Is only used for file format.			
Conditions	The co	ontent of th	e CTL of each vehicle is signed with its home RCA (the content is the	he same). They are preloaded in each vehicle.		
	It sho	uld contain	all RCAs.			
	PKI wl	hich is not i	n the InterCor_CTL.			
	InterCor_CRL and the InterCor_CTL are preloaded in <i>vehicle V_for</i> .					
Test Sequence	Step	Type	Action: Description	Observation		
			Check: Expected behaviour			
	1	action	Vehicle V_for enters test area close to RSU Saint-Remi and	This check will be done if the display of step 4 is not		
			receives a DENM with an eventType set to {10; 0} from RSU	properly done. AdHoc URCA tool using V_for pcap files.		
			signed with PKI which is not in the InterCor_CTL.			
	2	Check	The reception of the message by the OBU of Vehicle <i>V_for</i>	Means: pcap files or log files or vendor assessment.		
	3	action	Vehicle <i>V_for</i> drives into the relevance area	AdHoc URCA tool using V_for pcap files.		
	4	check	DENM should not be printed to the HMI.	We check manually. If the event is not displayed, that		
				means that the security scenario is successful.		
	5	action	Vehicle V_for leaves the relevance area			
	6	check	The information still not displayed.	We check manually.		
Comments						

Test operator information				
Company	Name of the company			
Test operator	Name(s) and e-mail address(es) of the person that performed the test			
OBU identifier	Product description/id in case you test with several devices			
Test date/time	Exact time when the test was performed. This is important for the log analysis			
Test log provided	Yes/No A reason for a No answer would be appreciated			
Log file name/format	Name of the log file and file format, if you provide log files			



			InterCor Interoperability Test Case			
Test Identifier	TC4_1	TC4_1b				
Test Objective	This to	est aims to v	erify the vehicle behaviour on reception of a signed message from a	a foreign ITSS and signed with an AT issued by a non-		
	truste	d foreign RC	CA.			
	This te	est case is de	edicated to test a foreign vehicle V_for.			
Test Scenario	We m	ix the scenai	rio 4 described in « Testfest scenarios » and the use case "Alert neut	ralization of part of a lane".		
used						
Pre-test	Comm	non InterCor	_CTL. Is only used for file format.			
Conditions	The co	ontent of the	e CTL of each vehicle is signed with its home RCA (the content is the	same). They are preloaded in each vehicle.		
	It sho	uld contain a	all RCAs.			
	PKI wl	hich is not in	the InterCor_CTL.			
	InterCor_CRL and the InterCor_CTL are preloaded in <i>vehicle V_for</i> .					
Test Sequence	Step	Туре	Action: Description	Observation		
			Check: Expected behaviour			
	1	action	Vehicle <i>V_for</i> enters test area close to RSU Tinqueux and	This check will be done if the display of step 4 is not		
			receives a DENM with an eventType set to {3; 0} and an	properly done. AdHoc URCA tool using V_for pcap files.		
			EventHistory filled from RSU signed with PKI which is not in the			
			InterCor_CTL.			
	2	Check	The reception of the message by the OBU of Vehicle V_for	Means: pcap files or log files or vendor assessment.		
	3	action	Vehicle <i>V_for</i> drives into the relevance area	AdHoc URCA tool using V_for pcap files.		
	4	check	DENM should not be printed to the HMI.	We check manually. If the event is not displayed, that		
				means that the security scenario is successful.		
	5	action	Vehicle V_for leaves the relevance area			
	6	check	The information still not displayed.	We check manually.		
Comments		•	•	•		

Test operator information				
Company	Name of the company			
Test operator	Name(s) and e-mail address(es) of the person that performed the test			
OBU identifier	Product description/id in case you test with several devices			
Test date/time	Exact time when the test was performed. This is important for the log analysis			
Test log provided	Yes/No A reason for a No answer would be appreciated			
Log file name/format	Name of the log file and file format, if you provide log files			



			InterCor Interoperability Test Case			
Test Identifier	TC4_1c					
Test Objective	This to	est aims to v	erify the vehicle behaviour on reception of a signed message from a	foreign ITSS and signed with an AT issued by a non-		
	truste	d foreign RC	CA.			
	This to	est case is de	edicated to test a foreign vehicle V_for.			
Test Scenario	We m	ix the scena	rio 4 described in « Testfest scenarios » and the use case "OHLN – Ex	treme weather conditions".		
used						
Pre-test	Comm	on InterCor	_CTL. Is only used for file format.			
Conditions	The co	ontent of the	e CTL of each vehicle is signed with its home RCA (the content is the	same). They are preloaded in each vehicle.		
	It sho	uld contain a	all RCAs.			
	PKI wl	nich is not in	the InterCor_CTL.			
	InterCor_CRL and the InterCor_CTL are preloaded in <i>vehicle V_for</i> .					
Test Sequence	Step	Туре	Action: Description	Observation		
			Check: Expected behaviour			
	1	action	Vehicle V_for enters test area close to RSU CSR and receives a	This check will be done if the display of step 4 is not		
			DENM with an actionID {S1; SN1} and an eventType set to {17; 1}	properly done. AdHoc URCA tool using V_for pcap files.		
			relevant on the whole A4 from RSU signed with PKI which is not			
			in the InterCor_CTL.			
	2	Check	The reception of the message by the OBU of Vehicle <i>V_for</i>	Means: pcap files or log files or vendor assessment.		
	2			A III UDGA L L L V C		
	3	action	Vehicle V_for drives into the relevance area	AdHoc URCA tool using V_for pcap files.		
	4	check	DENM should not be printed to the HMI.	We check manually. If the event is not displayed, that		
				means that the security scenario is successful.		
	5	action	Vehicle V_for leaves the relevance area			
	6	check	The information still not displayed.	We check manually.		

Test operator information				
Company	Name of the company			
Test operator	Name(s) and e-mail address(es) of the person that performed the test			
OBU identifier	Product description/id in case you test with several devices			
Test date/time	Exact time when the test was performed. This is important for the log analysis			
Test log provided	Yes/No A reason for a No answer would be appreciated			
Log file name/format	Name of the log file and file format, if you provide log files			



			InterCor Interoperability Test Case			
Test Identifier	TC4_1d					
Test Objective	This test aims to verify the vehicle behaviour on reception of a signed message from a foreign ITSS and signed with an AT issued by a non-					
	truste	d foreign RC	CA.			
	This te	est case is de	edicated to test a foreign vehicle V_for.			
Test Scenario	We m	ix the scena	rio 4 described in « Testfest scenarios » and the use case "Winter ma	nintenance –Salting in progress".		
used						
Pre-test	Comm	on InterCor	_CTL. Is only used for file format.			
Conditions	The co	ontent of the	e CTL of each vehicle is signed with its home RCA (the content is the	same). They are preloaded in each vehicle.		
	It sho	uld contain a	all RCAs.			
	PKI wi	nich is not in	the InterCor_CTL.			
	InterCor_CRL and the InterCor_CTL are preloaded in <i>vehicle V_for</i> .					
Test Sequence	Step	Туре	Action: Description	Observation		
			Check: Expected behaviour			
	1	action	Vehicle <i>V_for</i> enters test area close to an OBU_RO and receives	This check will be done if the display of step 4 is not		
			a DENM with an eventType set to {26; 8} and an EventHistory	properly done. AdHoc URCA tool using V_for pcap files		
			dynamically updated from OBU_RO signed with PKI which is not			
			in the InterCor_CTL.			
	2	Check	The reception of the message by the OBU of Vehicle <i>V_for</i>	Means: pcap files or log files or vendor assessment.		
	3	action	Vehicle <i>V_for</i> drives into the relevance area	AdHoc URCA tool using V_for pcap files.		
	4	check	DENM should not be printed to the HMI.	We check manually. If the event is not displayed, that means that the security scenario is successful.		
	5	action	Vehicle <i>V_for</i> leaves the relevance area	,		
	6	check	The information still not displayed.	We check manually.		

	Test operator information				
Company	Name of the company				
Test operator	Name(s) and e-mail address(es) of the person that performed the test				
OBU identifier	Product description/id in case you test with several devices				
Test date/time	Exact time when the test was performed. This is important for the log analysis				
Test log provided	Yes/No A reason for a No answer would be appreciated				
Log file name/format	Name of the log file and file format, if you provide log files				



			InterCor Interoperability Test Case			
Test Identifier	TC4_1e					
Test Objective	This to	est aims to v	erify the vehicle behaviour on reception of a signed message from a	foreign ITSS and signed with an AT issued by a non-		
	truste	d foreign RC	CA.			
	This to	est case is de	edicated to test a foreign vehicle V_for.			
Test Scenario	We m	ix the scena	rio 4 described in « Testfest scenarios » and the use case "OHLN – Ex	treme weather conditions".		
used						
Pre-test	Comn	non InterCor	_CTL. Is only used for file format.			
Conditions	The co	ontent of the	e CTL of each vehicle is signed with its home RCA (the content is the	same). They are preloaded in each vehicle.		
	It sho	uld contain a	all RCAs.			
	PKI w	nich is not in	the InterCor_CTL.			
	InterCor_CRL and the InterCor_CTL are preloaded in <i>vehicle V_for</i> .					
Test Sequence	Step	Type	Action: Description	Observation		
			Check: Expected behaviour			
	1	action	Vehicle <i>V_for</i> enters test area close to RSU Taissy and receives a	This check will be done if the display of step 4 is not		
			DENM with an actionID {S2; SN2} and an eventType set to {17; 1}	properly done. AdHoc URCA tool using V_for pcap files.		
			relevant on the whole A4 from RSU signed with PKI which is not			
			in the InterCor_CTL.			
	2	Check	The reception of the message by the OBU of Vehicle <i>V_for</i>	Means: pcap files or log files or vendor assessment.		
	2	action	Vahisla V for drives into the relevance area	AdHas UBCA tool using V for peop files		
	3	action	Vehicle <i>V_for</i> drives into the relevance area	AdHoc URCA tool using V_for pcap files.		
	4	check	DENM should not be printed to the HMI.	We check manually. If the event is not displayed, that		
				means that the security scenario is successful.		
	5	action	Vehicle V_for leaves the relevance area			
	6	check	The information still not displayed.	We check manually.		

Test operator information				
Company	Name of the company			
Test operator	Name(s) and e-mail address(es) of the person that performed the test			
OBU identifier	Product description/id in case you test with several devices			
Test date/time	Exact time when the test was performed. This is important for the log analysis			
Test log provided	Yes/No A reason for a No answer would be appreciated			
Log file name/format	Name of the log file and file format, if you provide log files			



			InterCor Interoperability Test Case		
Test Identifier	TC4_1	TC4_1f			
Test Objective	This to	est aims to v	verify the vehicle behaviour on reception of a signed message from a	a foreign ITSS and signed with an AT issued by a non-	
	truste	d foreign R	CA.		
	This to	est case is d	edicated to test a foreign vehicle V_for.		
Test Scenario	We m	ix the scena	rio 4 described in « Testfest scenarios » and the use case "OHLN – H	uman presence on the road".	
used Pre-test	Comn	non InterCo	r_CTL. Is only used for file format.		
Conditions			e CTL of each vehicle is signed with its home RCA (the content is the	same). They are preloaded in each vehicle.	
		uld contain			
	PKI w	hich is not ir	n the InterCor_CTL.		
	InterC	Cor_CRL and	the InterCor_CTL are preloaded in vehicle V_for.		
<b>Test Sequence</b>	Step	Type	Action: Description	Observation	
			Check: Expected behaviour		
	1	action	Vehicle <i>V_for</i> enters test area 5 km away from RSU Saint-Remi	This check will be done if the display of step 4 is not	
			and receives a DENM with an eventType set to {12; 0} from a	properly done. AdHoc URCA tool using V_for pcap files.	
			French vehicle signed with PKI which is not in the InterCor_CTL.		
	2	Check	The reception of the message by the OBU of Vehicle V_for	Means: pcap files or log files or vendor assessment.	
	3	action	Vehicle <i>V_for</i> drives into the relevance area	AdHoc URCA tool using V_for pcap files.	
	4	check	DENM should not be printed to the HMI.	We check manually. If the event is not displayed, that	
				means that the security scenario is successful.	
	5	action	Vehicle <i>V_for</i> leaves the relevance area		
	6	check	The information still not displayed.	We check manually.	
Comments					

Test operator information			
Company	Name of the company		
Test operator	Name(s) and e-mail address(es) of the person that performed the test		
OBU identifier	Product description/id in case you test with several devices		
Test date/time	Exact time when the test was performed. This is important for the log analysis		
Test log provided	Yes/No A reason for a No answer would be appreciated		
Log file name/format	Name of the log file and file format, if you provide log files		



			InterCor Interoperability Test Case			
Test Identifier	TC4_2a					
Test Objective	This to	This test aims to verify the vehicle behaviour on reception of a signed message from a foreign ITSS and signed with an AT issued by a non-				
	truste	d foreign R	CA.			
	This to	est case is d	edicated to test a French vehicle V_fre.			
Test Scenario used	We m	ix the scend	ario 4 described in « Testfest scenarios » and the use case "OHLN –	Obstacle on the road".		
Pre-test	Comn	non InterCo	r_CTL. Is only used for file format.			
Conditions			e CTL of each vehicle is signed with its home RCA (the content is the	he same). They are preloaded in each vehicle.		
		uld contain				
	PKI w	hich is not i	n the InterCor_CTL.			
	InterC	Cor_CRL and	the InterCor_CTL are preloaded in <i>vehicle V_fre</i> .			
Test Sequence	Step	Type	Action: Description	Observation		
			Check: Expected behaviour			
	1	action	Vehicle V_fre enters test area close to RSU Saint-Remi and	This check will be done if the display of step 4 is not		
			receives a DENM with an eventType set to {10; 0} from RSU	properly done. AdHoc URCA tool using V_fre pcap files.		
			signed with PKI which is not in the InterCor_CTL.			
	2	Check	The reception of the message by the OBU of Vehicle <i>V_fre</i>	Means: pcap files or log files or vendor assessment.		
	3	action	Vehicle <i>V_fre</i> drives into the relevance area	AdHoc URCA tool using V_fre pcap files.		
	4	check	DENM should not be printed to the HMI.	We check manually. If the event is not displayed, that		
				means that the security scenario is successful.		
	5	action	Vehicle V_fre leaves the relevance area			
	6	check	The information still not displayed.	We check manually.		
Comments		•		•		

Test operator information			
Company	Name of the company		
Test operator	Name(s) and e-mail address(es) of the person that performed the test		
OBU identifier	Product description/id in case you test with several devices		
Test date/time	Exact time when the test was performed. This is important for the log analysis		
Test log provided	Yes/No A reason for a No answer would be appreciated		
Log file name/format	Name of the log file and file format, if you provide log files		



			InterCor Interoperability Test Case			
Test Identifier	TC4_2b					
Test Objective	ive This test aims to verify the vehicle behaviour on reception of a signed message from			a foreign ITSS and signed with an AT issued by a non-		
	trusted foreign RCA.					
	This te	est case is de	edicated to test a French vehicle V_fre.			
Test Scenario	We m	ix the scenai	rio 4 described in « Testfest scenarios » and the use case "Alert neut	ralization of part of a lane".		
used						
Pre-test	Comm	non InterCor	_CTL. Is only used for file format.			
Conditions	The co	ontent of the	e CTL of each vehicle is signed with its home RCA (the content is the	same). They are preloaded in each vehicle.		
	It sho	uld contain a	all RCAs.			
	PKI wł	hich is not in	the InterCor_CTL.			
	InterC	or_CRL and	the InterCor_CTL are preloaded in <i>vehicle V_fre</i> .			
Test Sequence	Step	Туре	Action: Description	Observation		
			Check: Expected behaviour			
	1	action	Vehicle <i>V_fre</i> enters test area close to RSU Tinqueux and	This check will be done if the display of step 4 is not		
			receives a DENM with an eventType set to {3; 0} and an	properly done. AdHoc URCA tool using V_fre pcap files.		
			EventHistory filled from RSU signed with PKI which is not in the			
			InterCor_CTL.			
	2	Check	The reception of the message by the OBU of Vehicle V_fre	Means: pcap files or log files or vendor assessment.		
	3	action	Vehicle <i>V_fre</i> drives into the relevance area	AdHoc URCA tool using V_fre pcap files.		
	4	check	DENM should not be printed to the HMI.	We check manually. If the event is not displayed, that		
				means that the security scenario is successful.		
	5	action	Vehicle <i>V_fre</i> leaves the relevance area			
	6	check	The information still not displayed.	We check manually.		
Comments		1	• •	·		

Test operator information				
Company	Name of the company			
Test operator	Name(s) and e-mail address(es) of the person that performed the test			
OBU identifier	Product description/id in case you test with several devices			
Test date/time	Exact time when the test was performed. This is important for the log analysis			
Test log provided	Yes/No A reason for a No answer would be appreciated			
Log file name/format	Name of the log file and file format, if you provide log files			



			InterCor Interoperability Test Case			
Test Identifier	TC4_2c					
Test Objective	This to	This test aims to verify the vehicle behaviour on reception of a signed message from a foreign ITSS and signed with an AT issued by a non-				
	trusted foreign RCA.					
	This to	est case is de	edicated to test a French vehicle V_fre.			
Test Scenario	We m	ix the scena	rio 4 described in « Testfest scenarios » and the use case "OHLN – Ex	treme weather conditions".		
used						
Pre-test	Comm	non InterCor	_CTL. Is only used for file format.			
Conditions	The co	ontent of the	e CTL of each vehicle is signed with its home RCA (the content is the	same). They are preloaded in each vehicle.		
	It sho	uld contain a	all RCAs.			
	PKI wl	nich is not in	the InterCor_CTL.			
	InterC	or_CRL and	the InterCor_CTL are preloaded in vehicle V_fre.			
Test Sequence	Step	Туре	Action: Description	Observation		
			Check: Expected behaviour			
	1	action	Vehicle <i>V_fre</i> enters test area close to RSU CSR and receives a	This check will be done if the display of step 4 is not		
			DENM with an actionID {S1; SN1} and an eventType set to {17; 1}	properly done. AdHoc URCA tool using V_fre pcap files.		
			relevant on the whole A4 from RSU signed with PKI which is not			
			in the InterCor_CTL.			
	2	Check	The reception of the message by the OBU of Vehicle <i>V_fre</i>	Means: pcap files or log files or vendor assessment.		
	3	action	Vehicle V_fre drives into the relevance area	AdHoc URCA tool using V_fre pcap files.		
	4	check	DENM should not be printed to the HMI.	We check manually. If the event is not displayed, that		
				means that the security scenario is successful.		
	5	action	Vehicle V_fre leaves the relevance area			
	6	check	The information still not displayed.	We check manually.		
Comments						

Test operator information				
Company	Name of the company			
Test operator	Name(s) and e-mail address(es) of the person that performed the test			
OBU identifier	Product description/id in case you test with several devices			
Test date/time	Exact time when the test was performed. This is important for the log analysis			
Test log provided	Yes/No A reason for a No answer would be appreciated			
Log file name/format	Name of the log file and file format, if you provide log files			



			InterCor Interoperability Test Case				
Test Identifier	TC4_2d						
Test Objective	This test aims to verify the vehicle behaviour on reception of a signed message from a foreign ITSS and signed with an AT issue			a foreign ITSS and signed with an AT issued by a non-			
	truste	trusted foreign RCA.					
	This to	est case is de	edicated to test a French vehicle V_fre.				
Test Scenario	We m	ix the scena	rio 4 described in « Testfest scenarios » and the use case "Winter ma	nintenance –Salting in progress".			
used							
Pre-test	Comm	non InterCor	_CTL. Is only used for file format.				
Conditions	The co	ontent of the	e CTL of each vehicle is signed with its home RCA (the content is the	same). They are preloaded in each vehicle.			
	It sho	uld contain a	all RCAs.				
	PKI wl	nich is not in	the InterCor_CTL.				
	InterC	or_CRL and	the InterCor_CTL are preloaded in vehicle V_fre.				
Test Sequence	Step	Туре	Action: Description	Observation			
			Check: Expected behaviour				
	1	action	Vehicle <i>V_fre</i> enters test area close to an OBU_RO and receives	This check will be done if the display of step 4 is not			
			a DENM with an eventType set to {26; 8} and an EventHistory	properly done. AdHoc URCA tool using V_fre pcap files.			
			dynamically updated from OBU_RO signed with PKI which is not				
			in the InterCor_CTL.				
	2	Check	The reception of the message by the OBU of Vehicle <i>V_fre</i>	Means: pcap files or log files or vendor assessment.			
	3	action	Vahicla V. fra drivas into the relevance area	AdHac LIPCA tool using V fro near files			
			Vehicle <i>V_fre</i> drives into the relevance area	AdHoc URCA tool using V_fre pcap files.			
	4	check	DENM should not be printed to the HMI.	We check manually. If the event is not displayed, that means that the security scenario is successful.			
	5	action	Vehicle <i>V_fre</i> leaves the relevance area	means that the security section is successful.			
	6	check	The information still not displayed.	We check manually.			
Comments		1	. ,	,			

Test operator information				
Company	Name of the company			
Test operator	Name(s) and e-mail address(es) of the person that performed the test			
OBU identifier	Product description/id in case you test with several devices			
Test date/time	Exact time when the test was performed. This is important for the log analysis			
Test log provided	Yes/No A reason for a No answer would be appreciated			
Log file name/format	Name of the log file and file format, if you provide log files			



			InterCor Interoperability Test Case				
Test Identifier	TC4_2e						
Test Objective	This test aims to verify the vehicle behaviour on reception of a signed message from a foreign ITSS and signed with			foreign ITSS and signed with an AT issued by a non-			
	truste	trusted foreign RCA.					
	This to	est case is de	dicated to test a French vehicle V_fre.				
Test Scenario	We m	ix the scenai	rio 4 described in « Testfest scenarios » and the use case "OHLN – Ext	treme weather conditions".			
used							
Pre-test	Comm	non InterCor	_CTL. Is only used for file format.				
Conditions	The co	ontent of the	e CTL of each vehicle is signed with its home RCA (the content is the	same). They are preloaded in each vehicle.			
	It sho	uld contain a	ill RCAs.				
	PKI wl	hich is not in	the InterCor_CTL.				
	InterC	Cor_CRL and	the InterCor_CTL are preloaded in <i>vehicle V_fre</i> .				
Test Sequence	Step	Туре	Action: Description	Observation			
			Check: Expected behaviour				
	1	action	Vehicle V_fre enters test area close to RSU Taissy and receives a	This check will be done if the display of step 4 is not			
			DENM with an actionID {S2; SN2} and an eventType set to {17; 1}	properly done. AdHoc URCA tool using V_fre pcap files.			
			relevant on the whole A4 from RSU signed with PKI which is not				
			in the InterCor_CTL.				
	2	Check	The reception of the message by the OBU of Vehicle V_fre	Means: pcap files or log files or vendor assessment.			
	3	action	Vehicle V_fre drives into the relevance area	AdHoc URCA tool using V_fre pcap files.			
	4	check	DENM should not be printed to the HMI.	We check manually. If the event is not displayed, that			
				means that the security scenario is successful.			
	5	action	Vehicle V_fre leaves the relevance area				
	6	check	The information still not displayed.	We check manually.			
Comments		•		,			

Test operator information				
Company	Name of the company			
Test operator	Name(s) and e-mail address(es) of the person that performed the test			
OBU identifier	Product description/id in case you test with several devices			
Test date/time	Exact time when the test was performed. This is important for the log analysis			
Test log provided	Yes/No A reason for a No answer would be appreciated			
Log file name/format	Name of the log file and file format, if you provide log files			



			InterCor Interoperability Test Case			
Test Identifier	TC4_2	TC4_2f				
Test Objective	This to	This test aims to verify the vehicle behaviour on reception of a signed message from a foreign ITSS and signed with an AT issued by a non-				
	truste	d foreign R	CA.			
	This to	est case is d	edicated to test a French vehicle V_fre.			
Test Scenario used	We m	ix the scena	rio 4 described in « Testfest scenarios » and the use case "OHLN – H	uman presence on the road".		
Pre-test	Comn	non InterCo	r_CTL. Is only used for file format.			
Conditions			e CTL of each vehicle is signed with its home RCA (the content is the	e same). They are preloaded in each vehicle.		
		uld contain				
	PKI w	PKI which is not in the InterCor_CTL.				
	InterC	InterCor_CRL and the InterCor_CTL are preloaded in vehicle V_fre.				
<b>Test Sequence</b>	Step	Type	Action: Description	Observation		
			Check: Expected behaviour			
	1	action	Vehicle <i>V_fre</i> enters test area 5 km away from RSU Saint-Remi	This check will be done if the display of step 4 is not		
			and receives a DENM with an eventType set to {12; 0} from a	properly done. AdHoc URCA tool using V_fre pcap files.		
			French vehicle signed with PKI which is not in the InterCor_CTL.			
	2	Check	The reception of the message by the OBU of Vehicle <i>V_fre</i>	Means: pcap files or log files or vendor assessment.		
	3	action	Vehicle <i>V_fre</i> drives into the relevance area	AdHoc URCA tool using V_fre pcap files.		
	4	check	DENM should not be printed to the HMI.	We check manually. If the event is not displayed, that		
				means that the security scenario is successful.		
	5	action	Vehicle V_fre leaves the relevance area			
	6	check	The information still not displayed.	We check manually.		
Comments						

Test operator information		
Company	Name of the company	
Test operator	Name(s) and e-mail address(es) of the person that performed the test	
OBU identifier	Product description/id in case you test with several devices	
Test date/time	Exact time when the test was performed. This is important for the log analysis	
Test log provided	Yes/No A reason for a No answer would be appreciated	
Log file name/format	Name of the log file and file format, if you provide log files	





			InterCor Interoperability Test Case				
Test Identifier	TC5_1a						
Test Objective	This test aims to verify the authenticity of a message received from an ITSS belonging to a foreign trust domain and signed with a valid AT. The						
	receiv	received message is a DENM about RWW ahead.					
	This test case is dedicated to test a foreign vehicle V_for						
Test Scenario used	We m	We mix the scenario 5 described in « Testfest scenarios » and new updated InterCor_CTL.					
Pre-test							
Conditions	Updat	ed InterCo	r_CTL with scenario 4. Is only used for file format				
	The co	ontent of th	The content of the CTL of each vehicle is <b>signed</b> with its home RCA (the content is the same). They are preloaded in each vehicle.				
	It should contain all RCAs.						
	It sho	uld contain	all RCAs.				
			all RCAs. the InterCor_CTL are preloaded in <i>vehicle V_for</i>				
Test Sequence				Observation			
Test Sequence	InterC	orCRL and	the InterCor_CTL are preloaded in <i>vehicle V_for</i>	Observation			
Test Sequence	InterC	orCRL and	the InterCor_CTL are preloaded in <i>vehicle V_for</i> Action: Description	Observation  This check will be done if the display of step 8 is not			
Test Sequence	InterC Step	Type	the InterCor_CTL are preloaded in <i>vehicle V_for</i> Action: Description Check: Expected behaviour	This check will be done if the display of step 8 is not properly done. AdHoc URCA tool using Veh_For pcap			
Test Sequence	InterC Step	Type	Action: Description Check: Expected behaviour  Vehicle V_for enters test area close to RSU Saint-Remi and receives information from RSU	This check will be done if the display of step 8 is not properly done. AdHoc URCA tool using Veh_For pcap files.			
Test Sequence	InterC Step	Type	the InterCor_CTL are preloaded in vehicle V_for  Action: Description Check: Expected behaviour Vehicle V_for enters test area close to RSU Saint-Remi and	This check will be done if the display of step 8 is not properly done. AdHoc URCA tool using Veh_For pcap			
Test Sequence	Step 1	Type action	Action: Description Check: Expected behaviour  Vehicle V_for enters test area close to RSU Saint-Remi and receives information from RSU	This check will be done if the display of step 8 is not properly done. AdHoc URCA tool using Veh_For pcap files.			
Test Sequence	Step 1	Type action Check	Action: Description Check: Expected behaviour  Vehicle V_for enters test area close to RSU Saint-Remi and receives information from RSU  The reception of the message by the OBU of Vehicle V_for	This check will be done if the display of step 8 is not properly done. AdHoc URCA tool using Veh_For pcap files.  Means: pcap files or log files or vendor assesment			
Test Sequence	Step 1 2 7	Type action Check action	Action: Description Check: Expected behaviour  Vehicle V_for enters test area close to RSU Saint-Remi and receives information from RSU  The reception of the message by the OBU of Vehicle V_for  Vehicle V_for drives into the relevance area	This check will be done if the display of step 8 is not properly done. AdHoc URCA tool using Veh_For pcap files.  Means: pcap files or log files or vendor assesment  AdHoc URCA tool using Veh_For pcap files.			
Test Sequence	Step 1 2 7	Type action Check action	Action: Description Check: Expected behaviour  Vehicle V_for enters test area close to RSU Saint-Remi and receives information from RSU  The reception of the message by the OBU of Vehicle V_for  Vehicle V_for drives into the relevance area Information « OHLN : Obstacle on the road : 10-0 » is diplayed to	This check will be done if the display of step 8 is not properly done. AdHoc URCA tool using Veh_For pcap files.  Means: pcap files or log files or vendor assesment  AdHoc URCA tool using Veh_For pcap files.  We check manually. If the event is displayed propely,			
Test Sequence	Step 1 2 7	Type action Check action	Action: Description Check: Expected behaviour  Vehicle V_for enters test area close to RSU Saint-Remi and receives information from RSU  The reception of the message by the OBU of Vehicle V_for  Vehicle V_for drives into the relevance area Information « OHLN : Obstacle on the road : 10-0 » is diplayed to the driver at location YY	This check will be done if the display of step 8 is not properly done. AdHoc URCA tool using Veh_For pcap files.  Means: pcap files or log files or vendor assesment  AdHoc URCA tool using Veh_For pcap files.  We check manually. If the event is displayed propely,			

Test operator information		
Company	Name of the company	
Test operator	Name(s) and e-mail address(es) of the person that performed the test	



OBU identifier	Product description/id in case you test with several devices
Test date/time	Exact time when the test was performed. This is important for the log analysis
Test log provided	Yes/No A reason for a No answer would be appreciated
Log file name/format	Name of the log file and file format, if you provide log files



			InterCor Interoperability Test Case				
Test Identifier	TC5_1b						
Test Objective	This test aims to verify the authenticity of a message received from an ITSS belonging to a foreign trust domain and signed with a valid AT. The						
		,	ge is a DENM about RWW ahead.				
	This te	est case is a	dedicated to test a foreign vehicle V_for				
Test Scenario used	We m	We mix the scenario 1 described in « Testfest scenarios » and new updated InterCor_CTL.					
Pre-test							
Conditions	Updat	ed InterCo	r_CTL with scenario 4. Is only used for file format				
			The content of the CTL of each vehicle is <b>signed</b> with its home RCA (the content is the same). They are preloaded in each vehicle.				
	It should contain all RCAs.						
	It sho	uld contain	all RCAs.				
			all RCAs. the InterCor_CTL are preloaded in <i>vehicle V_for</i>				
Test Sequence				Observation			
Test Sequence	InterC	orCRL and	the InterCor_CTL are preloaded in <i>vehicle V_for</i>	Observation			
Test Sequence	InterC	orCRL and	the InterCor_CTL are preloaded in <i>vehicle V_for</i> Action: Description	Observation  This check will be done if the display of step 8 is not			
Test Sequence	InterC Step	Type	the InterCor_CTL are preloaded in <i>vehicle V_for</i> Action: Description Check: Expected behaviour				
Test Sequence	InterC Step	Type	the InterCor_CTL are preloaded in vehicle V_for  Action: Description Check: Expected behaviour Vehicle V_for enters test area close to RSU Tinqueux and	This check will be done if the display of step 8 is not			
Test Sequence	InterC Step	Type	the InterCor_CTL are preloaded in vehicle V_for  Action: Description Check: Expected behaviour Vehicle V_for enters test area close to RSU Tinqueux and	This check will be done if the display of step 8 is not properly done. AdHoc URCA tool using Veh_For pcap			
Test Sequence	Step 1	Type action	the InterCor_CTL are preloaded in <i>vehicle V_for</i> Action: Description Check: Expected behaviour  Vehicle <i>V_for</i> enters test area close to RSU Tinqueux and receives information from RSU	This check will be done if the display of step 8 is not properly done. AdHoc URCA tool using Veh_For pcap files.			
Test Sequence	Step 1	Type action Check	the InterCor_CTL are preloaded in vehicle V_for  Action: Description Check: Expected behaviour  Vehicle V_for enters test area close to RSU Tinqueux and receives information from RSU  The reception of the message by the OBU of Vehicle V_for	This check will be done if the display of step 8 is not properly done. AdHoc URCA tool using Veh_For pcap files.  Means: pcap files or log files or vendor assesment			
Test Sequence	Step  1  2  7	Type action Check action	Action: Description Check: Expected behaviour  Vehicle V_for enters test area close to RSU Tinqueux and receives information from RSU  The reception of the message by the OBU of Vehicle V_for  Vehicle V_for drives into the relevance area	This check will be done if the display of step 8 is not properly done. AdHoc URCA tool using Veh_For pcap files.  Means: pcap files or log files or vendor assesment  AdHoc URCA tool using Veh_For pcap files.			
Test Sequence	Step  1  2  7	Type action Check action	the InterCor_CTL are preloaded in vehicle V_for  Action: Description Check: Expected behaviour  Vehicle V_for enters test area close to RSU Tinqueux and receives information from RSU  The reception of the message by the OBU of Vehicle V_for  Vehicle V_for drives into the relevance area Information « Alert neutralization of part of a lane : 3-0 » is diplayed to the driver at location YY HMI should show something like RWW ahead in ZZZ m	This check will be done if the display of step 8 is not properly done. AdHoc URCA tool using Veh_For pcap files.  Means: pcap files or log files or vendor assesment  AdHoc URCA tool using Veh_For pcap files.  We check manually. If the event is displayed propely,			
Test Sequence	Step  1  2  7	Type action Check action	the InterCor_CTL are preloaded in <i>vehicle V_for</i> Action: Description Check: Expected behaviour  Vehicle <i>V_for</i> enters test area close to RSU Tinqueux and receives information from RSU  The reception of the message by the OBU of Vehicle <i>V_for</i> Vehicle <i>V_for</i> drives into the relevance area  Information « Alert neutralization of part of a lane : 3-0 » is diplayed to the driver at location YY	This check will be done if the display of step 8 is not properly done. AdHoc URCA tool using Veh_For pcap files.  Means: pcap files or log files or vendor assesment  AdHoc URCA tool using Veh_For pcap files.  We check manually. If the event is displayed propely,			

Test operator information		
Company	Name of the company	
Test operator	Name(s) and e-mail address(es) of the person that performed the test	



OBU identifier	Product description/id in case you test with several devices
Test date/time	Exact time when the test was performed. This is important for the log analysis
Test log provided	Yes/No A reason for a No answer would be appreciated
Log file name/format	Name of the log file and file format, if you provide log files



overify the authenticity of a message received from an ITSS belonging is a DENM about RWW ahead.  Idedicated to test a foreign vehicle V_for  Ideario 1 described in « Testfest scenarios » and new updated InterCorgor_CTL with scenario 4. Is only used for file format he CTL of each vehicle is signed with its home RCA (the content is the all RCAs.  I the InterCor_CTL are preloaded in vehicle V_for  Action: Description Check: Expected behaviour Vehicle V_for enters test area close to RSU CSR and receives	r_CTL.
rige is a DENM about RWW ahead.  Idedicated to test a foreign vehicle V_for  Ideario 1 described in « Testfest scenarios » and new updated InterCorporation  Or_CTL with scenario 4. Is only used for file format he CTL of each vehicle is signed with its home RCA (the content is the all RCAs.  If the InterCor_CTL are preloaded in vehicle V_for  Action: Description  Check: Expected behaviour	he same). They are preloaded in each vehicle.  Observation
dedicated to test a foreign vehicle V_for  pario 1 described in « Testfest scenarios » and new updated InterCor  par_CTL with scenario 4. Is only used for file format the CTL of each vehicle is signed with its home RCA (the content is the all RCAs.  I the InterCor_CTL are preloaded in vehicle V_for  Action: Description Check: Expected behaviour	he same). They are preloaded in each vehicle.  Observation
pario 1 described in « Testfest scenarios » and new updated InterCorgor_CTL with scenario 4. Is only used for file format he CTL of each vehicle is <b>signed</b> with its home RCA (the content is the all RCAs.  I the InterCor_CTL are preloaded in vehicle V_for  Action: Description Check: Expected behaviour	he same). They are preloaded in each vehicle.  Observation
or_CTL with scenario 4. Is only used for file format he CTL of each vehicle is <b>signed</b> with its home RCA (the content is the all RCAs.  I the InterCor_CTL are preloaded in <i>vehicle V_for</i> Action: Description Check: Expected behaviour	he same). They are preloaded in each vehicle.  Observation
or_CTL with scenario 4. Is only used for file format he CTL of each vehicle is <b>signed</b> with its home RCA (the content is the all RCAs.  I the InterCor_CTL are preloaded in <i>vehicle V_for</i> Action: Description Check: Expected behaviour	he same). They are preloaded in each vehicle.  Observation
he CTL of each vehicle is <b>signed</b> with its home RCA (the content is the all RCAs.  I the InterCor_CTL are preloaded in <i>vehicle V_for</i> Action: Description Check: Expected behaviour	Observation
he CTL of each vehicle is <b>signed</b> with its home RCA (the content is the all RCAs.  I the InterCor_CTL are preloaded in <i>vehicle V_for</i> Action: Description Check: Expected behaviour	Observation
Action: Description Check: Expected behaviour	Observation
Action: Description Check: Expected behaviour	
Action: Description Check: Expected behaviour	
Action: Description Check: Expected behaviour	
Check: Expected behaviour	
Check: Expected behaviour	This check will be done if the display of step 2 is not
Vehicle V_for enters test area close to RSU CSR and receives	This check will be done if the display of step & is not
	This check will be dolle if the display of step 6 is not
information from RSU	properly done. AdHoc URCA tool using Veh_For pcap
	files.
The reception of the message by the OBU of Vehicle <i>V_for</i>	Means : pcap files or log files or vendor assesment
Vehicle <i>V_for</i> drives into the relevance area	AdHoc URCA tool using Veh_For pcap files.
Information « OHLN extreme weather conditions : 17-1 » is	We check manually. If the event is displayed propely,
diplayed to the driver on the A4 (relevance distance on the	that means that the security scenario is successful.
whole of A4 Highway)	
HMI should show something like RWW ahead in ZZZ m	
Vehicle V_for leaves the relevance area	
	We check manually
	Information « OHLN extreme weather conditions : 17-1 » is diplayed to the driver on the A4 (relevance distance on the whole of A4 Highway)  HMI should show something like RWW ahead in ZZZ m

Test operator information			
Company	Name of the company		



Test operator	Name(s) and e-mail address(es) of the person that performed the test
OBU identifier	Product description/id in case you test with several devices
Test date/time	Exact time when the test was performed. This is important for the log analysis
Test log provided	Yes/No A reason for a No answer would be appreciated
Log file name/format	Name of the log file and file format, if you provide log files



			InterCor Interoperability Test Case		
Test Identifier	TC5_1d				
Test Objective	receiv	This test aims to verify the authenticity of a message received from an ITSS belonging to a foreign trust domain and signed with a valid AT. The received message is a DENM about RWW ahead.  This test case is dedicated to test a foreign vehicle V_for			
Test Scenario used	We m	We mix the scenario 1 described in « Testfest scenarios » and new updated InterCor_CTL.			
Pre-test Conditions	The co	ontent of thuld contain	r_CTL with scenario 4. Is only used for file format ne CTL of each vehicle is <b>signed</b> with its home RCA (the content is the all RCAs.  the InterCor_CTL are preloaded in <i>vehicle V_for</i>	same). They are preloaded in each vehicle.	
Test Sequence	Step	Туре	Action: Description Check: Expected behaviour	Observation	
	1	action	Vehicle V_for enters test area close to an mobile UeVg and received informations	This check will be done if the display of step 8 is not properly done. AdHoc URCA tool using Veh_For pcap files.	
	2	Check	The reception of the message by the OBU of Vehicle V_for	Means : pcap files or log files or vendor assesment	
	7	action	Vehicle V_for drives into the relevance area	AdHoc URCA tool using Veh_For pcap files.	
	8	check	Information « Winter maintenance – Salting in progress : 26-8 » is diplayed to the driver at location YY HMI should show something like RWW ahead in ZZZ m	We check manually. If the event is displayed propely, that means that the security scenario is successful.	
	9	action	Vehicle V_for leaves the relevance area		
	10	check	The information is not displayed anymore.	We check manually	
Comments		1			

Test operator information		
Company	Name of the company	
Test operator	Name(s) and e-mail address(es) of the person that performed the test	



OBU identifier	Product description/id in case you test with several devices
Test date/time	Exact time when the test was performed. This is important for the log analysis
Test log provided	Yes/No A reason for a No answer would be appreciated
Log file name/format	Name of the log file and file format, if you provide log files



			InterCor Interoperability Test Case	
Test Identifier	TC5_1	le		
<b>Test Objective</b>	This t	est aims to	verify the authenticity of a message received from an ITSS belonging	g to a foreign trust domain and signed with a valid AT. The
	receiv	ed messa	ge is a DENM about RWW ahead.	
	This to	est case is a	dedicated to test a foreign vehicle V_for	
Test Scenario	We m	ix the scen	ario 1 described in « Testfest scenarios » and new updated InterCor_	CTL.
used			_	
Pre-test				
Conditions	Upda	ted InterCo	r_CTL with scenario 4. Is only used for file format	
	The c	ontent of th	ne CTL of each vehicle is <b>signed</b> with its home RCA (the content is the	e same). They are preloaded in each vehicle.
	It sho	uld contain	all RCAs.	
	Inter	CorCRL and	the InterCor_CTL are preloaded in <i>vehicle V_for</i>	
Test Sequence	Step	Туре	Action: Description	Observation
			Check: Expected behaviour	
	1	action	Vehicle <i>V_for</i> enters test area close to RSU Taissy and receives	This check will be done if the display of step 8 is not
			information from RSU	properly done. AdHoc URCA tool using Veh_For pcap
				files.
	2	Check	The reception of the message by the OBU of Vehicle V_for	Means: pcap files or log files or vendor assesment
	7	action	Vehicle <i>V_for</i> drives into the relevance area	AdHoc URCA tool using Veh_For pcap files.
	8	check	Information « OHLN : extreme weather conditions : 17-1 » is	We check manually. If the event is displayed propely,
			diplayed to the driver on the A4 (relevance distance on the	that means that the security scenario is successful.
			whole of A4 Highway)	
			HMI should show something like RWW ahead in ZZZ m	
	9	action	Vehicle V_for leaves the relevance area	
	10	check	The information is not displayed anymore.	We check manually
Comments	10	check	The information is not displayed anymore.	We check manually

	Test operator information
Company	Name of the company



Test operator	Name(s) and e-mail address(es) of the person that performed the test
OBU identifier	Product description/id in case you test with several devices
Test date/time	Exact time when the test was performed. This is important for the log analysis
Test log provided	Yes/No A reason for a No answer would be appreciated
Log file name/format	Name of the log file and file format, if you provide log files



			InterCor Interoperability Test Case		
Test Identifier	TC5_1	!f			
Test Objective	This test aims to verify the authenticity of a message received from an ITSS belonging to a foreign trust domain and signed with a valid AT. The				
		,	ge is a DENM about RWW ahead.		
	This to	est case is c	dedicated for V2V communications.		
Test Scenario used	We m	ix the scen	ario 1 described in « Testfest scenarios » and new updated InterCor_C	TL.	
Pre-test					
Conditions	Updat	ted InterCo	r_CTL with scenario 4. Is only used for file format		
	The co	ontent of th	ne CTL of each vehicle is <b>signed</b> with its home RCA (the content is the	same). They are preloaded in each vehicle.	
	It sho	uld contain	all RCAs.		
	InterC	CorCRL and	the InterCor_CTL are preloaded in <i>vehicle V_for</i>		
Test Sequence	Step	Туре	Action: Description	Observation	
			Check: Expected behaviour		
	1	action	Vehicle <i>V_for</i> keep driving on the A4 Highway, 5km far away	This check will be done if the display of step 8 is not	
			from RSU Saint Rémi. French Vehicle sends a DENM with « OHLN	properly done. AdHoc URCA tool using Veh_For pcap	
			extreme Human presence on the road : 12-0 »	files.	
	2	Check	The reception of the message by the OBU of Vehicle <i>V_for</i>	Means: pcap files or log files or vendor assesment	
	7	action	Vehicle <i>V_for</i> drives into the relevance area	AdHoc URCA tool using Veh_For pcap files.	
	8	check	Information « OHLN extreme Human presence on the road : 12-	We check manually. If the event is displayed propely,	
			0 » is diplayed to the driver at location YY	that means that the security scenario is successful.	
			HMI should show something like RWW ahead in ZZZ m		
	9	action	Vehicle V_for leaves the relevance area		
	10	check	The information is not displayed anymore.	We check manually	
Comments					

	Test operator information
Company	Name of the company
Test operator	Name(s) and e-mail address(es) of the person that performed the test



OBU identifier	Product description/id in case you test with several devices
Test date/time	Exact time when the test was performed. This is important for the log analysis
Test log provided	Yes/No A reason for a No answer would be appreciated
Log file name/format	Name of the log file and file format, if you provide log files



			InterCor Interoperability Test Case	
Test Identifier	TC5_2	?a		
Test Objective	receiv	ed messag	verify the authenticity of a message received from an ITSS belonging ge is a DENM about RWW ahead.  Identicated to test a French vehicle V_fre	to a foreign trust domain and signed with a valid AT. <i>The</i>
Test Scenario used	We m	ix the scend	ario 1 described in « Testfest scenarios » and new updated InterCor_C	TL.
Pre-test Conditions	The co		r_CTL with scenario 4. Is only used for file format ne CTL of each vehicle is <b>signed</b> with its home RCA (the content is the all RCAs.	same). They are preloaded in each vehicle.
	3 opti	Message Use forei Use forei	s from SANEF RSU are signed by foreign PKI. Ign RSU Ign vehicle as RSU. Ign the InterCor_CTL are preloaded in <i>vehicle V_fre</i>	
Test Sequence	Step	Туре	Action: Description Check: Expected behaviour	Observation
	1	action	Vehicle V_fre enters test area close to RSU Saint-Remi and receives information from RSU	This check will be done if the display of step 8 is not properly done. AdHoc URCA tool using Veh_For pcap files.
	2	Check	The reception of the message by the OBU of Vehicle V_for	Means : pcap files or log files or vendor assesment
	7	action	Vehicle <i>V_fre</i> drives into the relevance area	AdHoc URCA tool using Veh_For pcap files.
	8	check	Information « OHLN : Obstacle on the road : 10-0 » is diplayed to the driver at location YY HMI should show something like RWW ahead in ZZZ m	We check manually. If the event is displayed propely, that means that the security scenario is successful.
	9	action	Vehicle V_fre leaves the relevance area	
	10	check	The information is not displayed anymore.	We check manually
Comments				



	Test operator information
Company	Name of the company
Test operator	Name(s) and e-mail address(es) of the person that performed the test
OBU identifier	Product description/id in case you test with several devices
Test date/time	Exact time when the test was performed. This is important for the log analysis
Test log provided	Yes/No A reason for a No answer would be appreciated
Log file name/format	Name of the log file and file format, if you provide log files



			InterCor Interoperability Test Case	
Test Identifier	TC5_2	2b		
Test Objective	receiv	ed messa	verify the authenticity of a message received from an ITSS belonginge is a DENM about RWW ahead.  Idedicated to test a French vehicle V_fre	ng to a foreign trust domain and signed with a valid AT. <i>The</i>
Test Scenario used	We m	ix the scen	ario 1 described in « Testfest scenarios » and new updated InterCor	_CTL.
Pre-test				
Conditions	The co	ontent of thuld contain	r_CTL with scenario 4. Is only used for file format ne CTL of each vehicle is <b>signed</b> with its home RCA (the content is tall RCAs.	he same). They are preloaded in each vehicle.
	3 opti - - -	Message Use fore	es from SANEF RSU are signed by foreign PKI. ign RSU ign vehicle as RSU.	
	InterC	CorCRL and	the InterCor_CTL are preloaded in vehicle V_fre	
Test Sequence	Step	Туре	Action: Description Check: Expected behaviour	Observation
	1	action	Vehicle V_fre enters test area close to RSU Tinqueux and receives information from RSU	This check will be done if the display of step 8 is not properly done. AdHoc URCA tool using Veh_fre pcap files.
	2	Check	The reception of the message by the OBU of Vehicle V_for	Means : pcap files or log files or vendor assesment
	7	action	Vehicle V_for drives into the relevance area	AdHoc URCA tool using Veh_For pcap files.
	8	check	Information « Alert neutralization of part of a lane : 3-0 » is diplayed to the driver at location YY HMI should show something like RWW ahead in ZZZ m	We check manually. If the event is displayed propely, that means that the security scenario is successful.
	9	action	Vehicle V_for leaves the relevance area	
	10	check	The information is not displayed anymore.	We check manually
Comments				



	Test operator information
Company	Name of the company
Test operator	Name(s) and e-mail address(es) of the person that performed the test
OBU identifier	Product description/id in case you test with several devices
Test date/time	Exact time when the test was performed. This is important for the log analysis
Test log provided	Yes/No A reason for a No answer would be appreciated
Log file name/format	Name of the log file and file format, if you provide log files



			InterCor Interoperability Test Case	
Test Identifier	TC5_2	c'		
Test Objective	receiv	ed messa	verify the authenticity of a message received from an ITSS belongir ge is a DENM about RWW ahead. dedicated to test a French vehicle V_fre	ng to a foreign trust domain and signed with a valid AT. The
Test Scenario used	We mi	ix the scen	ario 1 described in « Testfest scenarios » and new updated InterCor	_CTL.
Pre-test Conditions	The co	ontent of thuld contain ons: Message	es from SANEF RSU are signed by foreign PKI.	ne same). They are preloaded in each vehicle.
	- -		ign vehicle as RSU.	
Test Sequence		Use fore	the InterCor_CTL are preloaded in <i>vehicle V_fre</i>	Observation
Test Sequence	InterC	Use fore	the InterCor_CTL are preloaded in <i>vehicle V_fre</i> Action: Description	Observation
Test Sequence		Use fore	the InterCor_CTL are preloaded in <i>vehicle V_fre</i>	Observation  This check will be done if the display of step 8 is not properly done. AdHoc URCA tool using Veh_fre pcap files.
Test Sequence	Step	Use fore for CRL and	the InterCor_CTL are preloaded in vehicle V_fre  Action: Description Check: Expected behaviour Vehicle V_fre enters test area close to RSU CSR and receives	This check will be done if the display of step 8 is not properly done. AdHoc URCA tool using Veh_fre pcap
Test Sequence	Step 1	Use fore corCRL and Type action	the InterCor_CTL are preloaded in vehicle V_fre  Action: Description Check: Expected behaviour  Vehicle V_fre enters test area close to RSU CSR and receives information from RSU	This check will be done if the display of step 8 is not properly done. AdHoc URCA tool using Veh_fre pcap files.
Test Sequence	Step  1	Type action Check	the InterCor_CTL are preloaded in vehicle V_fre  Action: Description Check: Expected behaviour  Vehicle V_fre enters test area close to RSU CSR and receives information from RSU  The reception of the message by the OBU of Vehicle V_fre  Vehicle V_fre drives into the relevance area  Information « OHLN extreme weather conditions: 17-1 » is diplayed to the driver on the A4 (relevance distance on the whole of A4 Highway)	This check will be done if the display of step 8 is not properly done. AdHoc URCA tool using Veh_fre pcap files.  Means: pcap files or log files or vendor assesment
Test Sequence	Step           1           2           7	Type action Check action	the InterCor_CTL are preloaded in <i>vehicle V_fre</i> Action: Description Check: Expected behaviour  Vehicle <i>V_fre</i> enters test area close to RSU CSR and receives information from RSU  The reception of the message by the OBU of Vehicle <i>V_fre</i> Vehicle <i>V_fre</i> drives into the relevance area  Information « OHLN extreme weather conditions: 17-1 » is diplayed to the driver on the A4 (relevance distance on the	This check will be done if the display of step 8 is not properly done. AdHoc URCA tool using Veh_fre pcap files.  Means: pcap files or log files or vendor assesment  AdHoc URCA tool using Veh_fre pcap files.  We check manually. If the event is displayed propely,



Comments	
Comments	

Test operator information			
Company	Name of the company		
Test operator	Name(s) and e-mail address(es) of the person that performed the test		
OBU identifier	Product description/id in case you test with several devices		
Test date/time	Exact time when the test was performed. This is important for the log analysis		
Test log provided	Yes/No A reason for a No answer would be appreciated		
Log file name/format	Name of the log file and file format, if you provide log files		



received message is a DENM about RWW ahead. This test case is dedicated to test a French vehicle V_fre  Test Scenario used  Pre-test Conditions  Updated InterCor_CTL with scenario 4. Is only used for file format The content of the CTL of each vehicle is signed with its home RCA (the content is the same). They are preloaded in each vehicle. It should contain all RCAs.  3 options:  - Messages from SANEF RSU are signed by foreign PKI Use foreign RSU - Use foreign vehicle as RSU. InterCor_CTL and the InterCor_CTL are preloaded in vehicle V_fre  Test Sequence  Step Type Action: Description Check: Expected behaviour  1 action Vehicle V_fre enters test area close to an mobile UeVg and received informations  2 Check The reception of the message by the OBU of Vehicle V_fre  Means: pcap files or log files or vendor assesment  7 action Vehicle V_fre drives into the relevance area  AdHoc URCA tool using Veh_fre pcap files.  Means: pcap files or log files or vendor assesment  AdHoc URCA tool using Veh_fre pcap files.  We check manually. If the event is displayed or popely, that means that the security scenario is successful.  HMI should show something like RWW ahead in ZZZ m  10 check The information is not displayed anymore. We check manually.				InterCor Interoperability Test Case			
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- Use foreign RSU - Use foreign vehicle as RSU.  InterCorCRL and the InterCor_CTL are preloaded in vehicle V_fre  Test Sequence  Step Type Action: Description Check: Expected behaviour  1 action Vehicle V_fre enters test area close to an mobile UeVg and received informations  2 Check The reception of the message by the OBU of Vehicle V_fre  Neans: pcap files or log files or vendor assesment  7 action Vehicle V_fre drives into the relevance area  8 check Information « Winter maintenance – Salting in progress: 26-8 » is diplayed to the driver at location YY HMI should show something like RWW ahead in ZZZ m  9 action Vehicle V_fre leaves the relevance area  10 check The information is not displayed anymore. We check manually		3 opti		or from CANEE PSII are signed by foreign DVI			
- Use foreign vehicle as RSU.  InterCorCRL and the InterCor_CTL are preloaded in vehicle V_fre  Test Sequence  Step Type Action: Description Check: Expected behaviour  1 action Vehicle V_fre enters test area close to an mobile UeVg and received informations  2 Check The reception of the message by the OBU of Vehicle V_fre  This check will be done if the display of step 8 is not properly done. AdHoc URCA tool using Veh_fre pcap files.  AdHoc URCA tool using Veh_fre pcap files or log files or vendor assesment  Nehicle V_fre drives into the relevance area  AdHoc URCA tool using Veh_fre pcap files.  We check manually. If the event is displayed propely, is diplayed to the driver at location YY HMI should show something like RWW ahead in ZZZ m  9 action Vehicle V_fre leaves the relevance area  10 check The information is not displayed anymore.  We check manually		_	_	· · · · · · · · · · · · · · · · · · ·			
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Test Sequence    Step   Type			030 1010	ight verticle as 1130.			
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is diplayed to the driver at location YY HMI should show something like RWW ahead in ZZZ m  9 action Vehicle V_fre leaves the relevance area  10 check The information is not displayed anymore. We check manually		7	action	Vehicle <i>V_fre</i> drives into the relevance area	AdHoc URCA tool using Veh_fre pcap files.		
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		9	action	Vehicle V_fre leaves the relevance area			
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Connients	Comments		l	<u> </u>	1		



Test operator information			
Company	Name of the company		
Test operator	Name(s) and e-mail address(es) of the person that performed the test		
OBU identifier	Product description/id in case you test with several devices		
Test date/time	Exact time when the test was performed. This is important for the log analysis		
Test log provided	Yes/No A reason for a No answer would be appreciated		
Log file name/format	Name of the log file and file format, if you provide log files		



			InterCor Interoperability Test Case		
Test Identifier	TC5_2e				
Test Objective	This test aims to verify the authenticity of a message received from an ITSS belonging to a foreign trust domain and signed with a valid AT. The received message is a DENM about RWW ahead.  This test case is dedicated to test a French vehicle V_fre				
Test Scenario used	We mix the scenario 1 described in « Testfest scenarios » and new updated InterCor_CTL.				
Pre-test Conditions	Updated InterCor_CTL with scenario 4. Is only used for file format The content of the CTL of each vehicle is <b>signed</b> with its home RCA (the content is the same). They are preloaded in each vehicle. It should contain all RCAs.  3 options:  - Messages from SANEF RSU are signed by foreign PKI.  - Use foreign RSU  - Use foreign vehicle as RSU.				
Test Sequence	InterCorCRL and the InterCor_CTL are preloaded in <i>vehicle V_fre</i>   Step   Type   Action: Description   Observation				
rest sequence	Step	Туре		Observation	
	1		·		
		action	Check: Expected behaviour  Vehicle V_fre enters test area close to RSU Taissy and receives information from RSU	This check will be done if the display of step 8 is not properly done. AdHoc URCA tool using Veh_fre pcap files.	
	2	action Check	Check: Expected behaviour  Vehicle V_fre enters test area close to RSU Taissy and receives	properly done. AdHoc URCA tool using Veh_fre pcap	
	2		Check: Expected behaviour  Vehicle V_fre enters test area close to RSU Taissy and receives information from RSU  The reception of the message by the OBU of Vehicle V_fre	properly done. AdHoc URCA tool using Veh_fre pcap files.  Means : pcap files or log files or vendor assesment	
		Check	Check: Expected behaviour  Vehicle V_fre enters test area close to RSU Taissy and receives information from RSU	properly done. AdHoc URCA tool using Veh_fre pcap files.	
	7	Check action	Check: Expected behaviour  Vehicle V_fre enters test area close to RSU Taissy and receives information from RSU  The reception of the message by the OBU of Vehicle V_fre  Vehicle V_fre drives into the relevance area  Information « OHLN : extreme weather conditions : 17-1 » is diplayed to the driver on the A4 (relevance distance on the whole of A4 Highway)	properly done. AdHoc URCA tool using Veh_fre pcap files.  Means: pcap files or log files or vendor assesment  AdHoc URCA tool using Veh_fre pcap files.  We check manually. If the event is displayed propely,	



Comments	
Comments	

Test operator information			
Company	Name of the company		
Test operator	Name(s) and e-mail address(es) of the person that performed the test		
OBU identifier	Product description/id in case you test with several devices		
Test date/time	Exact time when the test was performed. This is important for the log analysis		
Test log provided	Yes/No A reason for a No answer would be appreciated		
Log file name/format	Name of the log file and file format, if you provide log files		



			InterCor Interoperability Test Case			
Test Identifier	TC5_2	2 <i>f</i>				
Test Objective	This test aims to verify the authenticity of a message received from an ITSS belonging to a foreign trust domain and signed with a valid AT. The received message is a DENM about RWW ahead.  This test case is dedicated to test a French vehicle V_fre					
Test Scenario used	We mix the scenario 1 described in « Testfest scenarios » and new updated InterCor_CTL.					
Pre-test						
Conditions	Updated InterCor_CTL with scenario 4. Is only used for file format The content of the CTL of each vehicle is <b>signed</b> with its home RCA (the content is the same). They are preloaded in each vehicle. It should contain all RCAs.					
	3 opti		a frame CANICE DOLL are signed by familian DVI			
	_	_	s from SANEF RSU are signed by foreign PKI.			
	_	<ul> <li>Use foreign RSU</li> <li>Use foreign vehicle as RSU.</li> </ul>				
		Ose foreign vernole as noo.				
	InterC	CorCRL and	the InterCor_CTL are preloaded in <i>vehicle V_fre</i>			
Test Sequence	Step	Туре	Action: Description	Observation		
			Check: Expected behaviour			
	1	action	Vehicle <i>V_fre</i> keep driving on the A4 Highway, 5km far away from RSU Saint Rémi. French Vehicle sends a DENM with « OHLN extreme Human presence on the road : 12-0 »	This check will be done if the display of step 8 is not properly done. AdHoc URCA tool using Veh_fre pcap files.		
	2	Check	The reception of the message by the OBU of Vehicle V_fre	Means : pcap files or log files or vendor assesment		
	7	action	Vehicle <i>V_fre</i> drives into the relevance area	AdHoc URCA tool using Veh_fre pcap files.		
	8	check	Information « OHLN extreme Human presence on the road : 12- 0 » is diplayed to the driver at location YY HMI should show something like RWW ahead in ZZZ m	We check manually. If the event is displayed propely, that means that the security scenario is successful.		
	9	action	Vehicle <i>V_fre</i> leaves the relevance area			
	10	check	The information is not displayed anymore.	We check manually		
Comments						



Test operator information		
Company	Name of the company	
Test operator	Name(s) and e-mail address(es) of the person that performed the test	
OBU identifier	Product description/id in case you test with several devices	
Test date/time	Exact time when the test was performed. This is important for the log analysis	
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