

1.1. Specific Service Permissions (SSPs)

The Service Specific Permissions (SSP) is a field that indicates specific sets of permissions within the overall permissions indicated by the ITS-AID. For example, there may be an SSP value associated with the ITS-AID for CAM that indicates that the sender is entitled to send CAMs for a specific vehicle role.

SSPs are used in certificates, in certificate requests (get EC/LTC and get AT/PC) and during initialization phase.

SSPs for CAM message are defined using 3 bytes (as presented in ETSI EN 302 637-2 v1.3.2 section 6.2.2.2).

SSPs for DENM message are defined using 4 bytes (as presented in ETSI EN 302 637-3 v1.2.2, section 6.2.2.2).

The SSP format used in InterCor project is of type *opaque* (as described in ETSI TS 103 097 v1.2.1).

In the following section we give the SSPs adopted in InterCor project:

- the SSPs for CAM (see table 1),
- the SSPs for DENM (see table 2),

1.1.1. CAM SSPs

CauseCodeType /Container	Bit Value			
	Renault	Road Operators		PSA
			ITSS-Vg (Operator mode)	
CenDsrcTollingZone/ ProtectedCommunicationZonesRSU	0		0	0
publicTransport / PublicTransportContainer	0		0	0
specialTransport / SpecialTransportContainer	0		0	0
dangerousGoods / DangerousGoodsContainer	0		0	0
roadwork / RoadWorksContainerBasic	0		0	0
rescue / RescueContainer	0		0	0
emergency / EmergencyContainer	0		0	0

CauseCodeType /Container	Bit Value				
	Renault	Road Operators		PSA	
			ITSS-Vg (Operator mode)		ITSS-Vu (User mode)
safetyCar / SafetyCarContainer	0		0	0	0
closedLanes / RoadworksContainerBasic	0		0	0	0
requestForRightOfWay / EmergencyContainer: EmergencyPriority	0		0	0	0
requestForFreeCrossingAtAATrafficLight / EmergencyContainer: EmergencyPriority	0		0	0	0
noPassing / SafetyCarContainer: TrafficRule	0		0	0	0
noPassingForTrucks / SafetyCarContainer: TrafficRule	0		0	0	0
speedLimit / SafetyCarContainer	0		0	0	0
reserved for future usage	0		0	0	0
reserved for future usage	0		0	0	0

Table 1 : CAM SSPs.

1.1.2. DENM SSPs

CauseCodeType /Container	Bit Value				
	Renault	Road Operators			PSA
		ITSS-R (RSU)	ITSS-V (Operator mode)	ITSS-V (User mode)	
trafficCondition(1)	0	0	0	0	0
accident(2)	1	1	1	1	1
roadworks(3)	0	1	1	0	0
adverseWeatherCondition-Adhesion(6)	1	1	1	1	1
hazardousLocation-SurfaceCondition(9)	1	1	1	1	1
hazardousLocation-ObstacleOnTheRoad(10)	1	1	1	1	1

CauseCodeType /Container	Bit Value				
	Renault	Road Operators			PSA
		ITSS-R (RSU)	ITSS-V (Operator mode)	ITSS-V (User mode)	
hazardousLocation-AnimalOnTheRoad(11)	1	1	1	1	1
humanPresenceOnTheRoad(12)	1	1	1	1	1
wrongWayDriving(14)	0	0	0	0	0
rescueAndRecoveryWorkInProgress(15)	0	1	1	0	0
adverseWeatherCondition-ExtremeWeatherCondition(17)	1	1	1	0	1
adverseWeatherCondition-Visibility(18)	1	1	1	1	1
adverseWeatherCondition-Precipitation(19)	1	0	1	1	1
slowVehicle(26)	0	1	1	0	0
dangerousEndOfQueue(27)	1	1	1	1	1
vehicleBreakdown(91)	0	0	0	0	0
postCrash(92)	0	0	0	0	0
humanProblem(93)	0	0	0	0	0
stationaryVehicle(94),	1	1	1	1	1
emergencyVehicleApproaching(95)	0	1	1	0	0
hazardousLocation-DangerousCurve(96)	0	0	0	0	0
collisionRisk(97),	0	0	0	0	0
signalViolation(98)	0	0	0	0	0
dangerousSituation(99)	1	1	1	1	1

Table 2: DENM SSPs.