AMDS Multi-model Network Model
Entity Relationship Diagram
Sprint 12 (16/11/2023)

Network Model and Geometry

ASSETMANAGEMENTDATASTANDARD_NETWORKMODEL

U2	OBJECTID
FK1	amdsIDAuthority
	status
	modelAssetType
	sharedInfrastructure
	detour
	oneway
	surfaceType
	assetOwnerOrganisation
	assetManagingOrganisation
	dataManagingOrganisation
	lifeLineRoute
	modeEmergencyManagement
	modeVehicle
	modeVehicleHeavy
	modePedestrian
	modeCycling
	modeMicroMode
	modeBus
	modePublicTransport
	modeRail
	modeFerry
	isLengthCounted
	flag
	t50FID
U1	GlobalID
	created_user
	created_date
	last_edited_user
	last_edited_date
I1	Shape
	GDB_GEOMATTR_DATA
	externalReference

ASSETMANAGEMENTDATASTANDARD_GEOMETRY

PK	amdsIDGeometry
U1	OBJECTID
	measuredLength
	length3D
	xStart
	xEnd
	yStart
	yEnd
	zStart
	zEnd
	slope
	dateCaptureMethodXY
	xYAccuracy
	xYAccuracyMethodUsed
	xYCoordinateSystem
	dateCaptureMethodZ
	zAccuracy
	zAccuracyMethodUsed
	zCoordinateSystem
	effectiveFrom
	effectiveTo
U2	GlobalID
	created_user
	created_date
	last_edited_user
	last_edited_date

ASSETMANAGEMENTDATASTANDARD_AUTHORITY

PK	amdsIDAuthority
U2	OBJECTID
	controllingName
	controllingNameMacronated
	ownerMaintainerData
	controllingDataConfidence
	modeVehicleConfidRating
	mode4WheelDriveConfidRating
	modePedestrianConfidRating
	modeCyclingConfidRating
	modeFreightConfidRating
	modeMicroModeConfidRating
	modePublicTransConfidRating
	modeRailConfidRating
	modeFerryConfidRating
	modeEmergencyMgtConfidRating
	effectiveFrom
	effectiveTo
U1	GlobalID
	created_user
	created_date
	last_edited_user
	last_edited_date

Linear Referencing

ASSETMANAGEMENTDATASTANDARD_LINEARREFSYSCALIBRATION

PK	amdsIDLinearRefSysCalibration
U1	OBJECTID
FK1	amdsIDLinearRefSysRoute
	measure
	effectiveFrom
	effectiveTo
U2	GlobalID
	created_user
	created_date
	last_edited_user
	last_edited_date
I1	Shape
	GDB_GEOMATTR_DATA

ASSETMANAGEMENTDATASTANDARD_LINEARREFSYSNETWORK

PK	amdsIDLinearRefSysNetwork
U1	OBJECTID
	linearRefSysNetwork
	effectiveFrom
	effectiveTo
U2	GlobalID
	created_user
	created_date
	last_edited_user
	last_edited_date

Created_LRS_feature_class

Calibrated_LRS_feature_class

ASSETMANAGEMENTDATASTANDARD_LINEARREFSYSROUTE

PK	amdsIDLinearRefSysRoute
U1	OBJECTID
FK1	amdsIDLinearRefSysNetwork
FK2	amdsIDRoadRouteName
	linearRefSysRouteName
	minimumStartMeasure
	maximumEndMeasure
	xStart
	xEnd
	yStart
	yEnd
	zStart
	zEnd
	effectiveFrom
	effectiveTo
U2	GlobalID
	created_user
	created_date
	last_edited_user
	last_edited_date

ASSETMANAGEMENTDATASTANDARD_LINEARREFSYSSEQUENCE

PK	amdsIDLinearRefSysSequence
U1	OBJECTID
FK1	amdsIDLinearRefSysRoute
	lineSequence
	linearRefSysElementType
	effectiveFrom
	effectiveTo
U2	GlobalID
	created_user
	created_date
	last_edited_user
	last_edited_date

Supplementary Tables

ASSETMANAGEMENTDATASTANDARD_RESTRICTEDTURN

U1	OBJECTID
	edge1End
	amdsIDNetworkModelEdge1
	edge1Pos
	amdsIDNetworkModelEdge2
	edge2Pos
	amdsIDNetworkModelEdge3
	edge3Pos
	amdsIDNetworkModelEdge4
	edge4Pos
	amdsIDNetworkModelEdge5
	edge5Pos
	amdsIDNetworkModelEdge6
	edge6Pos
	amdsIDNetworkModelEdge7
	edge7Pos
	amdsIDNetworkModelEdge8
	edge8Pos
	modeEmergencyManagement
	modeVehicle
	modeVehicleHeavy
	modePedestrian
	modeCycling
	modeMicroMode
	modeBus
	modePublicTransport
	modeRail
	modeFerry
	effectiveFrom
	effectiveTo
	amdsIDRestrictedTurn
U2	GlobalID
	created_user
	created_date
	last_edited_user
	last_edited_date

AMDS_NETWORKMODEL_AMDS_LANE

PK	RID
FK2	amdsIDLane
	created_user
	created_date
	last_edited_user
	last_edited_date

AMDS_NETWORKMODEL_AMDS_RESTRICTION

PK	RID
FK2	amdsIDRestriction
	created_user
	created_date
	last_edited_user
	last_edited_date

ASSETMANAGEMENTDATASTANDARD_URBANRURAL

PK	amdsIDUrbanRural
U1	OBJECTID
	dataManagingOrganisation
	isFullLength
	startMeasure
	endMeasure
	urbanRural
	urbanRuralSource
	effectiveFrom
	effectiveTo
U2	GlobalID
	created_user
	created_date
	last_edited_user
	last_edited_date

ASSETMANAGEMENTDATASTANDARD_LANE

PK	amdsIDLane
U1	OBJECTID
	startMeasure
	endMeasure
	laneLengthM
	shouldersPresent
	numberLanes
	numberLanesLHS
	numberLanesRHS
	multipleOccupancyVehicleLane
	publicTransportLane
	averageLaneWidthM
	averageShoulderWidthM
	effectiveFrom
	effectiveTo
U2	GlobalID
	created_user
	created_date
	last_edited_user
	last_edited_date

ASSETMANAGEMENTDATASTANDARD_RESTRICTION

PK	amdsIDRestriction
U1	OBJECTID
	dataManagingOrganisation
	modeRestriction
	modeInfo
	heightRestriction
	heightInfo
	weightRestriction
	weightInfo
	dedicatedHazMatRoute
	dedicatedHazMatRouteInfo
	tollway
	startM
	endM
	effectiveFrom
	effectiveTo
U2	GlobalID
	created_user
	created_date
	last_edited_user
	last_edited_date

Road / Route Naming

AMDS_NETWORKMODEL_AMDS_ROADROUTENAME

PK	RID
FK2	amdsIDRoadRouteName
	isPrimary
	created_user
	created_date
	last_edited_user
	last_edited_date

ASSETMANAGEMENTDATASTANDARD_ROADROUTENAME

PK	amdsIDRoadRouteName
U1	OBJECTID
	dataManagingOrganisation
I1	roadName
	roadNameMacronated
	roadNameType
	roadNumber
	roadAlpha
	roadLevel
	localityName
	rnaSufi
	externalSystemName
	externalSystemGUID
	effectiveFrom
	effectiveTo
U2	GlobalID
	created_user
	created_date
	last_edited_user
	last_edited_date