

Manage Resource Information - DDP IA

TMF612_MRI

Version 1.2



April, 2013

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The actual content of the Manage Resource Information - DDP IA is available in the specific set of documents of the IA directory.

1 IPR Releases and Patent Disclosure

There are no known IPR claims on the material in this document. As per the TM Forum bylaws, any TM Forum member company that has IPR claims on this or any TM Forum specification needs to make the claims known to the TM Forum membership immediately.

2 Administrative Appendix

This Appendix provides additional background material about the TM Forum and this document.

2.1 Use and Extension of a TM Forum Business Agreement

This set of documents defines a technology-neutral model of the artifacts related to the Management of Resource Inventory and constitutes the Information Agreement for the corresponding entities and interface operations: TMF612_MRI. It has been elaborated from the Business Agreement document. While this Information Agreement contains sufficient information to be a “stand alone” document, it is better read together with the Business Agreement document: TMF518_MRI.

It is expected that this document will be used:

- As the foundation for a TM Forum Interface Implementation Specifications (IIS)
- To facilitate information agreement between Service Providers and vendors
- As input to a service Provider’s Request for Information / Request for Proposal (RFI/RFP—RFX)
- As input for vendors developing COTS products
- As a source of information for other bodies working in this area

2.2 Document History

Ver sion	Date Modifi ed	Description of changes
1.0	May 2008	This is the first version of the document and as such, there are no changes to report.

1.1	September 2011	<ul style="list-style-type: none"> ▪ Type Definitions::ManagedElementFilter::resourceState Default value UNKNOWN re-set. ▪ Interfaces::FlowDomainRetrievalService::getConnectivityAwareness::Documentation "R_TMF518_MRI_II_0154" replaced by "R_TMF518_MRI_V_0154" ▪ Interfaces::TerminationPointRetrievalService::getTerminationPointGroupingRelationships "and GTPs" added to the documentation in "- the names of all TP Pools << and GTPs>> associated to a provided TP". ▪ Interfaces::ConnectionRetrievalService::getIntendedRoute: New input parameter isHigherOrderCcListIncluded added. ▪ Interfaces::ConnectionRetrievalService::getIntendedRoute: Output parameter intendedRoute replaced by route to harmonise with IIS. ▪ Interfaces::FlowDomainRetrievalService::getAllFlowDomains: Exceptions INVALID_INPUT and ENTITY_NOT_FOUND added. ▪ Interfaces::ResourceInventoryRetrievalService::getInventory::where AndHowToReply: Reference to SD2-5_Communication_Styles supporting document added. ▪ Interfaces::ResourceInventoryRetrievalService::getInventory: Exceptions UNSUPPORTED_COMPRESSION_FORMAT and UNSUPPORTED_PACKING_FORMAT added. ▪ Interfaces::FlowDomainRetrievalService::getAllFlowDomains: mdRef added as input parameter. ▪ Interfaces::OperationsSystemRetrievalService::getSubordinateOperationsSystem: subordinateOs replaced by os. subordinateOsRef replaced by osRef. ▪ Interfaces::TerminationPointRetrievalService::getAllEdgePoints: edgeTpList replaced by tpList. ▪ Interfaces::TerminationPointRetrievalService::getAllFloatingTerminationPoints: ftpList replaced by tpList. ▪ Interfaces::TerminationPointRetrievalService::getAllPhysicalTerminationPoints: ptpList replaced by tpList. ▪ Interfaces::TerminationPointRetrievalService::getAllPhysicalTerminationPointsWithoutFtps: ptpList replaced by tpList. ▪ Interfaces::TerminationPointRetrievalService::getAllSupportedPhysicalTerminationPoints: ptpList replaced by tpList. ▪ Interfaces::TerminationPointRetrievalService::getContainedCurrentConnectionTerminationPoints: ctpList replaced by tpList. ▪ Interfaces::TerminationPointRetrievalService::getContainedInUseConnectionTerminationPoints: ctpList replaced by tpList. ▪ Interfaces::TerminationPointRetrievalService::getContainedPotentialConnectionTerminationPoints: ctpList replaced by tpList. ▪ Interfaces::TrafficConditioningProfileRetrievalService::getAllTrafficConditioningProfiles: mdRef added as input parameter.
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		<ul style="list-style-type: none">▪ Interfaces::ResourceInventoryUpdateService::updateInventory: Exception InvalidInput replaced by InvalidInputObjectDoesNotExist, InvalidInputUnsupportedObjectTypes and InvalidInputUnsupportAttributesOrValues.▪ Interfaces::ResourceInventoryUpdateService::updateInventory: Exception PolicyViolation added.▪ Interfaces::TopologicalLinkRetrievalService::getAllTopologicalLinksOfFd: Documentation updated.▪ Type Definitions::InventoryData: moved to NRF DDP.
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1.2	April 2013	<ul style="list-style-type: none"> • <u>New Specifications</u> <ul style="list-style-type: none"> • Interfaces::CallConnectionRetrievalService added • Interfaces::CallConnectionRetrievalService::getAllCallIdsWithSNPP OrTNAName added • Interfaces::CallConnectionRetrievalService::getAllCallIdsWithTP added • Interfaces::CallConnectionRetrievalService::getAllCallsAndTopLevelConnections added • Interfaces::CallConnectionRetrievalService::getAllCallsAndTopLevelConnectionsAndSNCs added • Interfaces::CallConnectionRetrievalService::getAllCallsAndTopLevelConnectionsAndSNCsWithME added • Interfaces::CallConnectionRetrievalService::getAllCallsAndTopLevelConnectionsAndSNCsWithTP added • Interfaces::CallConnectionRetrievalService::getAllCallsAndTopLevelConnectionsWithME added • Interfaces::CallConnectionRetrievalService::getAllConnectionsWithMLSNPPLinks?? added • Interfaces::CallConnectionRetrievalService::getBackupRoutes?? added • Interfaces::CallConnectionRetrievalService::getCall added • Interfaces::CallConnectionRetrievalService::getCallAndTopLevelConnections added • Interfaces::CallConnectionRetrievalService::getCallAndTopLevelConnectionsAndSNCs added • Interfaces::CallConnectionRetrievalService::getConnection?? added • Interfaces::CallConnectionRetrievalService::getConnectionsAndRouteDetails added • Interfaces::CallConnectionRetrievalService::getIntendedRoute?? added • Interfaces::CallConnectionRetrievalService::getRoute?? added • Interfaces::CallConnectionRetrievalService::getRouteAndMLSNPPLinks?? added • Interfaces::ControlPlaneRetrievalService added • Interfaces::MultiLayerRoutingAreaRetrievalService added • Interfaces::MultiLayerRoutingAreaRetrievalService::getAllMultiLayerRoutingAreas added • Interfaces::MultiLayerRoutingAreaRetrievalService::getAllMultiLayerRoutingAreasWrtOs added
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		<ul style="list-style-type: none"> • Interfaces::MultiLayerRoutingAreaRetrievalService::getAllSubordinateMultiLayerRoutingAreas added • Interfaces::MultiLayerRoutingAreaRetrievalService::getAllSubordinateRoutingAreaIdsWithConnection added • Interfaces::MultiLayerRoutingAreaRetrievalService::getAllTopLevelMultiLayerRoutingAreas added • Interfaces::MultiLayerRoutingAreaRetrievalService::getMultiLayerRoutingArea added • Interfaces::MultiLayerSubNetworkPointPoolLinkRetrievalService added • Interfaces::MultiLayerSubNetworkPointPoolLinkRetrievalService::getAllEdgeMultiLayerSubNetworkPointPoolLinks added • Interfaces::MultiLayerSubNetworkPointPoolLinkRetrievalService::getAllInternalMultiLayerSubNetworkPointPoolLinks added • Interfaces::MultiLayerSubNetworkPointPoolLinkRetrievalService::getAllMultiLayerSubNetworkPointPoolLinks added • Interfaces::MultiLayerSubNetworkPointPoolLinkRetrievalService::getAllMultiLayerSubNetworkPointPoolLinksWithMlras added • Interfaces::MultiLayerSubNetworkPointPoolLinkRetrievalService::getAllMultiLayerSubNetworkPointPoolLinksWithTna added • Interfaces::MultiLayerSubNetworkPointPoolLinkRetrievalService::getAllMultiLayerSubNetworkPointPoolLinksWithTp added • Interfaces::MultiLayerSubNetworkPointPoolLinkRetrievalService::getAvailableCapacity added • Interfaces::MultiLayerSubNetworkPointPoolLinkRetrievalService::getMultiLayerSubNetworkPointPoolLink added • Interfaces::MultiLayerSubNetworkPointPoolRetrievalService added • Interfaces::MultiLayerSubNetworkPointPoolRetrievalService::getMultiLayerSubNetworkPointPool added • Interfaces::MultiLayerSubNetworkPointPoolRetrievalService::getAllMultiLayerSubNetworkPointPools added • Interfaces::MultiLayerSubNetworkPointPoolRetrievalService::getAllMultiLayerSubNetworkPointPoolsWithTna added • Interfaces::MultiLayerSubNetworkPointPoolRetrievalService::getAllMultiLayerSubNetworkPointPoolsWithTp added • Interfaces::ResourceInventoryRetrievalService::getRemoteUnitProfiles added
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		<ul style="list-style-type: none"> Type Definitions::CallAndTopLevelConnections added Type Definitions::CallAndTopLevelConnectionsAndSNCs added Type Definitions::ConnectionAndSupportingSNCsList added Type Definitions::RouteType added Type Definitions::ConnectionAndRoute added Type Definitions::LayeredCapacity added Type Definitions::RemoteUnitProfile added <u>Modified Specifications</u> <ul style="list-style-type: none"> Interfaces::ConnectionRetrievalService::getAllSubnetworkConnections: Documentation enhanced Interfaces::ConnectionRetrievalService::getAllSubnetworkConnectionsWithTp: Documentation enhanced Interfaces::ConnectionRetrievalService::getRoute: Documentation enhanced Interfaces::ConnectionRetrievalService::getSubnetworkConnection: Documentation enhanced Interfaces::ConnectionRetrievalService::getSubnetworkConnectionsByUserLabel: Documentation enhanced Interfaces::ConnectionRetrievalService::getSubnetworkConnectionsByUserLabel: NeCommLoss exception replaced by CommLoss Interfaces::TransmissionDescriptorRetrievalService::getTransmissionParameters: Documentation enhanced to cover additional parameter groupings (artf1670). Interfaces::TransmissionDescriptorRetrievalService::getTransmissionParameters::transmissionParameterGroupFilterList: Documentation enhanced to cover additional parameter groupings (artf1670).
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2.4 Acknowledgments

This document was prepared by the members of the TM Forum mTOP RM team.