SYSTEMS MECHANICS LTD

CrossTalk™ Mediation Products

HP OpenView TeMIP— Ericsson OSSRC Access Module

- Full integration of Ericsson OSSRC Management System with HP TeMIP
- Extensible equipment modelling and low-cost upgrades due to mapping rule based implementation
- Multi OSSRC Revision level support
- Fully integrated with Ericsson Downstream Command (MML) Agent
- Functionally rich; including powerful entity modelling and mapping, full resynchronization, and inter-system connection monitoring
- Preservation of Alarm Operator Notes on OSSRC resynchronisation
- Alarm status synchronisation between OSSRC and TeMIP

OVERVIEW

The MS OSSRC AM currently supports OSSRC 6.1,6.2 & 6.3. It uses the CrossTalk™ Mediation Services framework to establish a CORBA connection to the MS OSSRC 3GPP CORBA (R3.2) interface. The MS OSSRC AM provides configurable mapping of events to TeMIP OSI alarms and clear correlation of these events. The AM automates resynchronisation between the OSSRC platform and TeMIP in situations where CORBA-based communications between TeMIP and OSSRC are initially established. Loss of communications between Mediation Services and the MS OSSRC CORBA communications process will also result in automatic resynchronisation when communications are re-established.

Equipment Modelling

The MS OSSRC AM models different equipment types as sub-classes of the RCGROUP Global Class which defines a 'logical' grouping of OSSRC managed equipment. These include BSC,SITE,MSC,LAN,RNC,RBS,SGSN,MGW,ME,MMC,GMPC,SMPC,STP & TSC

Configurable Mapping Rules

Mapping of OSSRC notifications to TeMIP alarms is highly configurable using the CrossTalk™ Mapper engine. Rules to translate notifications into HP OpenView TeMIP events can be modified and dynamically reloaded. This capability drastically reduces platform upgrade costs.

Alarm Resynchronisation

Full resynchronisation between TeMIP and OSSRC is supported. This ensures recovery (manual or automatic) in the event of communications loss or system re-connection. Manual resynchronisation can be requested for all OSSRC managed elements or targeted at a single element.

Alarm De-Duplication

Full Alarm de-duplication monitoring enables the liaison to guarantee operation context integrity. Full support for operation context resynchronisation using the TeMIP Resync_FM is provided. Alarm de-duplication is suspended during OSSRC alarm list rebuild operations.

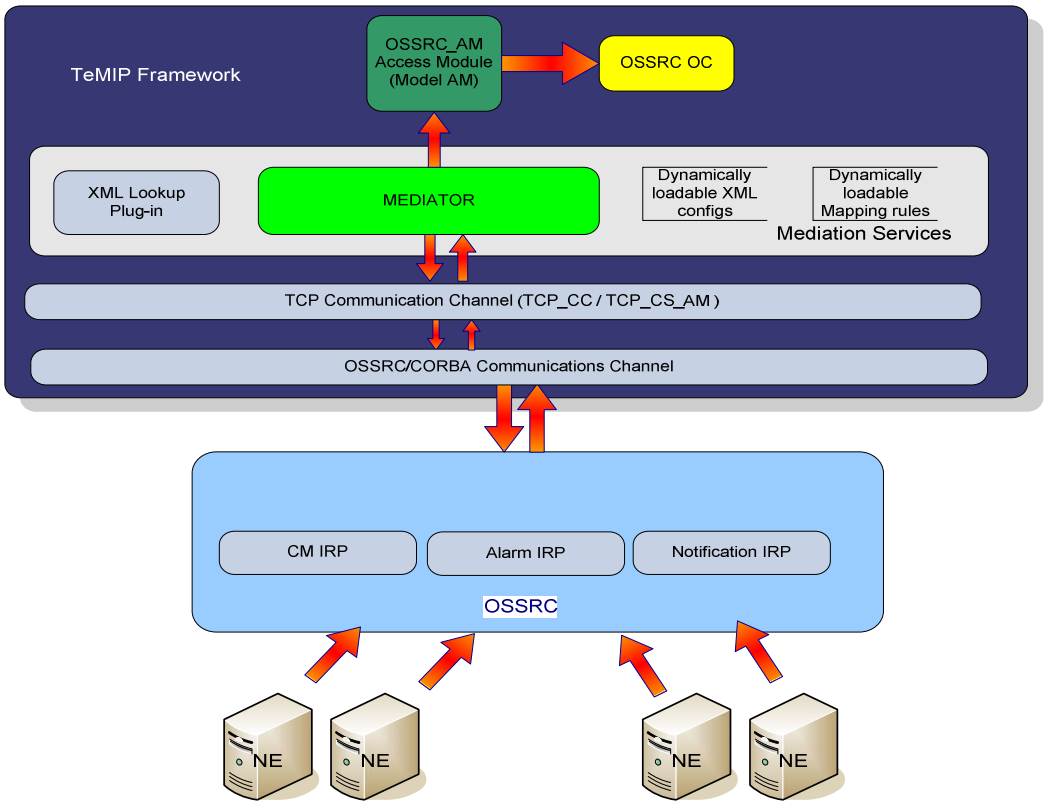
Alarm Status Synchronisation

The MS OSSRC AM supports a configurable capability for automatic and manual alarm acknowledgement towards the OSSRC platform. Northbound acknowledgement from OSSRC into TeMIP is also supported via the TeMIP AAFM.

OSSRC Downstream Command Agent

The Ericsson Downstream MML Command Agent is a TeMIP component developed by Ericsson as a TeMIP AM to provide TeMIP directive support (reserve, execute, unreserve) for downstream communications with OSSRC connected Network entities e.g. BSCs. The MS_OSSRC_AM supports directive augmentation for the Command Agent based directives.

Architecture



Key Features:

- Reception of "real time" alarms from OSSRC
- Configurable alarm mapping and modelling in TeMIP
- TeMIP Resynchronisation FM support
- TeMIP Low level event filter support
- Operator Note preservation on resynchronisation
- Downstream MML Command Agent Support
- Multi OSSRC platform support (6.1,6.2 & 6.3)
- Heartbeat monitoring and automatic resynchronisation

Systems Mechanics Ltd
Ferndale Court, West End Road, Mortimer, Reading, RG7 3SY
Tel: +44 (0)118 9332220
Fax: +44 (0)118 9333807
Email: sales@sysmech.co.uk

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