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**Source:** SA5 (Telecom Management)  
**Title:** WID WT Co-operative Element Management interface (CO-OP)  
**Document for:** Approval  
**Agenda Item:** 7.5.3

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**3GPP TSG-SA5 (Telecom Management)**  
**Meeting #42, Montreal, CANADA, 9 - 13 May 2005**

**S5-050282**

### Work Item Description

**Title:** Co-operative Element Management interface (CO-OP)  
**Acronym:** OAM7-NIM-COOP  
**Unique\_ID:** 35046

#### **1 3GPP Work Area**

X	Radio Access
X	Core Network
	Services

#### **2 Linked work items**

OAM&P (Operations, Administration, Maintenance & Provisioning) (Feature: OAM)

WI	Unique_ID
OAM7	35041

Network Infrastructure Management (BB: OAM-NIM)

WI	Unique_ID
OAM7-NIM	35042

#### **3 Justification**

Networks are often multi-vendor, whereas Operations Support Systems (OSSs) are single vendor.

Traditional architectures allow multi-vendor capabilities to be provided through integration to a vendor-independent Network Management System (NMS), by means of northbound interfaces (i.e. the existing 3GPP IRPs).

The aim of this work item is to enable the NMS (and the human operator) to monitor and configure border aspects between Element Management Systems (EMSs) / IRP Agents (within a vendor's domain and across vendors domains). This will be achieved through sharing of information, responsibility and management knowledge between EMSs over a horizontal peer-to-peer (p2p) interface.

#### **4 Objective**

Sharing of information, responsibility and management knowledge between EMSs over a horizontal peer-to-peer (p2p) interface (reusing and/or enhancing existing 3GPP IRPs) is the objective of this work item.

Examples of shared responsibility and management knowledge between EMSs that this Work item will address:

- Read domain topology data
- Subscribe to state changes
- Receive events/alarms

- Requests functions
- Common Key Performance Indicators (KPIs)

**5 Service Aspects**

None

**6 MMI-Aspects**

None

**7 Charging Aspects**

None

**8 Security Aspects**

None

**9 Impacts**

Affects:	UICC apps	ME	AN	CN	Others
Yes			X	X	
No	X	X			
Don't know					X

**10 Expected Output and Time scale (to be updated at each plenary)**

New specifications						
Spec No.	Title	Prime rsp. WG	2ndary rsp. WG(s)	Presented for information at plenary#	Approved at plenary#	Comments
TR 32.80x	Telecommunication management; Application guide for peer-to-peer (p2p) Integration Reference Points (IRPs)	SA5	none	12/2005	03/2006	
Affected existing specifications						
Spec No.	CR	Subject		Approved at plenary#	Comments	
32.101		EM to EM Interface		03/2006		

**11 Work item rapporteur(s)**

Michael TRUSS, Motorola (Michael.Truss@motorola.com)

**12 Work item leadership**

SA5

**13 Supporting Companies**

Motorola, Ericsson, Nokia, NEC, Siemens, Lucent, Nortel, Huawei, Alcatel, ZTE

**14 Classification of the WI (if known)**

	Feature (go to 14a)
	Building Block (go to 14b)
X	Work Task (go to 14c)

14a The WI is a Feature: List of building blocks under this feature  
(list of Work Items identified as building blocks)

14b The WI is a Building Block: parent Feature  
(one Work Item identified as a feature)

14c The WI is a Work Task: parent Building Block  
(one Work Item identified as a building block)

Network Infrastructure Management (BB: OAM-NIM)

WI	Unique_ID
OAM7-NIM	35042