

## CrossTalk™ State Management

*Outage Management Capability Providing Scheduled Alarm  
Suppression on an Ad-hoc or Bulk Load Basis*

- ◆ Powerful alarm suppression capabilities for planned and ad-hoc equipment outages
- ◆ A web based GUI launchable with reference alarm data to assist outage definition
- ◆ A generic bulk load capability to facilitate the loading of planned outage data exported from workflow management systems or other operator databases.
- ◆ A complete filterable outage view via the GUI browser
- ◆ Activation of new ad-hoc outage schedules is on demand.

### Manual Specification

The OOS GUI can be launched to effect dynamic ad-hoc specification of out of service equipment. The GUI allows users to query and maintain current, or retained, out of service definitions held in an XML based repository. Inactive OOS definitions that operators have chosen to retain in the repository can be re-enabled as required. Currently active definitions can be modified or disabled. New definitions can be entered and activated.

Specification of OOS equipment is supported down to sub-entity additional text based object granularity e.g. DIP, DPC, CELL ID. Specification also supports Managed Object sub-tree specification of Out of Service equipment, i.e. definition of a piece of equipment in an equipment model hierarchy to include all equipment sub-type instances of the specified equipment instance. Equally a single piece of equipment can be placed out of service without inclusion of its sub-tree children.

Configurable administrator defined and operator selectable pre-sets provide security against erroneous OOS definitions being activated. These are especially important in circumstances where data within additional text provides 'outage' identifiers across many Managed Object e.g. a DPC, where the Managed Object specification may need to be wild-carded.

### Batch Specification

The OOS product provides a generic batch load capability as a means to implement alarm suppression for batches of planned out of service equipment supplied via an external system/process. Loading of batch data from file can be implemented on demand via the OOS Command Line Interface (CLI). The specification of batch data supports an XML file format. The following shows an example of the XML record format:

```
<OOS_Element id="00001">
  <specifiers>
    <managed object value="RCROOT xyz SNW CX BSC" />
    <temp_synonym value="aaa-37670" />
    <subelement tag="DPC" value="2-1030" />
  </specifiers>
  <activation_period
    start="01-Oct-2005 12:00:00"
    end="02-Oct-2005 12:00:00" />
</OOS_Element>
```

### Other Features

- ◆ Transition Monitor Application—issues admin. Alarms as equipment transitions in or out of service
- ◆ Synonym Support—OOS equipment can be specified as a HP OV TeMIP synonym
- ◆ Automatic housekeeping on repository OOS definitions that have become obsolete and inactive, and are not required to be retained by operators
- ◆ Configurable OOS presets specific to different equipment/alarm types to assist accurate OOS definition. Mandatory/Optional input definition for operator usage

# CrossTalk™ State Management

**Reference Alarm Details**

MANAGED OBJECT: RCROOT rcroot3  
 ADDITIONAL TEXT: DPC=2-1001 \*\*\* ALARM 175 A1/APT "BEAPH\_R10\_17A03" 050525 1525  
 CCITT? DESTINATION INACCESSIBLE  
 DEST SPID  
 2-1001 TEST  
 END  
 PROBABLE CAUSE: Indeterminate  
 PERCEIVED SEVERITY: Minor

**OOS Element Details**

PRESET: DPC  
 MANAGED OBJECT: [empty]  
 SYNONYM: [empty]  
 SUBELEMENT TAG: DPC  
 SUBELEMENT PARAMS: DPC: 2-1001  
 ACTIVATIONS: 04-May-06 16:23 to 05-May-06 16:23  
 PROBABLE CAUSE: is <any>  
 PERCEIVED SEVERITY: is <any>  
 COMMENT: [empty]

RECORD ID: 20  
 SOURCE SYSTEM REF: State Management GUI  
 ACTIVATION STATE: Not Scheduled  
 DEPLOYMENT STATE: Not Deployed  
 DEPLOYMENT MODE: AO\_MODE  
 CREATED: tna  
 MODIFIED: 04-May-06 15:16

Buttons: Delete Record, Cancel Changes, Save Only, Save and Deploy

Copyright (c) 2006 Systems Mechanics Ltd. All rights reserved.

**Information**

STATUS: logged in as: tna (operator)  
 MESSAGE: User: tna logged in as operator  
 View log

Buttons: Deploy, Browse Repository, Logout, Close

**Activation Schedule**

ELEMENT ID: 20

SOURCE	START	END	COMMENT	ACTIVATION STATE	DEPLOYMENT STATE
State Management GUI	Thu, 04 May 2006 16:23+0100	Fri, 05 May 2006 16:23+0100		Not Scheduled	Not Deployed

Buttons: Close, New Period, delete

TIME: START: Thu, 04 May 2006 16:23+0100, END: Fri, 05 May 2006 16:23+0100  
 NOW: (Now), DAY: (-, +), HOUR: (-, +)  
 COMMENT: [empty]  
 Apply

## 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

CrossTalk™, SysMech™ and their respective logos are trademarks of Systems Mechanics Ltd. All other trademarks are the property of their respective holders. Information in this document is subject to change without notice.

Copyright © 2011 Systems Mechanics Ltd. All rights reserved.