

## **Chapter 6. Useful Information**

## 6.1 Useful Transactions

### User

Transaction	Description
<b>/SAPTRX/ASAPLOG</b>	Application system log for event handling
<b>/SAPTRX/EH_SET</b>	Event Handler Set browser
<b>/SAPTRX/EH_LIST_STAT</b>	Event handler list by status
<b>/SAPTRX/EH_LIST</b>	Event Handler list
<b>/SAPTRX/EH_LAST_EVT</b>	EH list with the last event message
<b>/SAPTRX/EH_CREATE</b>	Event Handler Creation

### Administrator

Transaction	Description
<b>/SAPTRX/ASAPLOG</b>	Application system log for event handling
<b>/SAPTRX/EE_MON</b>	Expected Events Monitor
<b>/SAPTRX/EE_OVD_LIST</b>	Expected Event Overdue List
<b>/SAPTRX/EMJOBS</b>	Scheduling EM relevant jobs
<b>/SAPTRX/ER_MS_LIST</b>	Error Messages List
<b>/SAPTRX/EVM_STATUS</b>	Event Message Status
<b>/SAPTRX/EVM_STAT_ADM</b>	Event messages list- Administrator
<b>/SAPTRX/LOCKED_PROC</b>	Locked EH Message Processors
<b>/SAPTRX/LOCKED_PSET</b>	Locked EH Set Processors

**Configuration**

<b>Transaction</b>	<b>Description</b>
<b>/SAPTRX/TSC0TRD</b>	Display Rule Sets
<b>/SAPTRX/AFPDP</b>	Alert Framework Integration
<b>/SAPTRX/ASC0AO</b>	Define App. Object and Event Types
<b>/SAPTRX/ASC0AP</b>	Define application parameters
<b>/SAPTRX/ASC0SCU</b>	Assign Scenario to Users
<b>/SAPTRX/ASC0SD1</b>	Define Solution / Scenario
<b>/SAPTRX/ASC0SD2</b>	Define Solution / Scenario
<b>/SAPTRX/ASC0TC</b>	Define EM Relevance Conditions
<b>/SAPTRX/ASC0TF</b>	Define EM Interface Functions
<b>/SAPTRX/ASC0TO</b>	Define Business Process Types
<b>/SAPTRX/ASC0TS</b>	Define Event Managers (Engines)
<b>/SAPTRX/CONS_CHECK</b>	Consistency Check
<b>/SAPTRX/TSC0AS</b>	Define Application Systems
<b>/SAPTRX/TSC0AP</b>	Define Authorization Profiles
<b>/SAPTRX/TSC0CONS</b>	Define Event Consolidation Profiles
<b>/SAPTRX/TSC0CS</b>	Codeset customizing and mapping
<b>/SAPTRX/TSC0DF</b>	Document Flow Customizing
<b>/SAPTRX/TSC0DOC</b>	Drilldown to Application Document
<b>/SAPTRX/TSC0EC</b>	Define Internal Event Codes/Groups
<b>/SAPTRX/TSC0EE</b>	Define Expected Event Profiles
<b>/SAPTRX/TSC0EES</b>	Define Event Status

<b>/SAPTRX/TSC0ERC</b>	Event reason codes
<b>/SAPTRX/TSC0ES</b>	Define Event Handler Set Profiles
<b>/SAPTRX/TSC0ET</b>	Define Extension Tables
<b>/SAPTRX/TSC0EXEV</b>	External Ev. Codes and mapping
<b>/SAPTRX/TSC0FP</b>	Define Filter Profiles
<b>/SAPTRX/TSC0FR</b>	Assign Filter Profiles to Roles
<b>/SAPTRX/TSC0FU</b>	Assign Filter Profile to User
<b>/SAPTRX/TSC0GBPT</b>	Global Business Process Types Def.
<b>/SAPTRX/TSC0LOC</b>	Location customizing and mapping
<b>/SAPTRX/TSC0MBF</b>	Ev. Msg. Processing Criteria
<b>/SAPTRX/TSC0PAR</b>	Partner customizing and mapping
<b>/SAPTRX/TSC0PD</b>	Define Parameter Dictionary
<b>/SAPTRX/TSC0PDM</b>	Define Parameter Mapping
<b>/SAPTRX/TSC0PDS</b>	Define System Parameters
<b>/SAPTRX/TSC0SP</b>	Define Status Profiles
<b>/SAPTRX/TSC0ST</b>	Define Status Attributes
<b>/SAPTRX/TSC0STI</b>	Define Status Icons for Events
<b>/SAPTRX/TSC0TC</b>	Define Event Handler Conditions
<b>/SAPTRX/TSC0TC1</b>	Define Rule Conditions
<b>/SAPTRX/TSC0TC2</b>	Define Condition for EH Type and Set
<b>/SAPTRX/TSC0TC5</b>	Define Filter Conditions
<b>/SAPTRX/TSC0TC6</b>	Document Flow: Conditions
<b>/SAPTRX/TSC0TF</b>	Define Event Manager Functions
<b>/SAPTRX/TSC0TF1</b>	Define Rule Activity Functions

<b>/SAPTRX/TSC0TF2</b>	Define EH Type Condition Functions
<b>/SAPTRX/TSC0TF3</b>	Define Expected Events Functions
<b>/SAPTRX/TSC0TF4</b>	Define Parameter Mapping Functions
<b>/SAPTRX/TSC0TF5</b>	Define Filter Profile Functions
<b>/SAPTRX/TSC0TP</b>	Define Activities
<b>/SAPTRX/TSC0TP1</b>	Define Rule Activities
<b>/SAPTRX/TSC0TP2</b>	Define EH Update Activities
<b>/SAPTRX/TSC0TP3</b>	Define EE Monitor Activities
<b>/SAPTRX/TSC0TR</b>	Rules, activities and condition
<b>/SAPTRX/TSC0TRD</b>	Display Rule Sets
<b>/SAPTRX/TSC0TSCONF</b>	Define System Configuration
<b>/SAPTRX/TSC0TT</b>	Define Event Handler Types
<b>/SAPTRX/UCROLE</b>	Assign user profiles to a role
<b>/SAPTRX/UCTD</b>	Maintain WCL Transactions
<b>/SAPTRX/UCUP</b>	Maintain User Profiles
<b>/SAPTRX/UCUSER</b>	Assign user profiles to a user
<b>/SAPTRX/WCL_ADMIN</b>	WCL: Administration
<b>/SAPTRX/WCL_FAVORITE</b>	WCL: My Favorites
<b>/SAPTRX/WCL_QUICK</b>	WCL: Quicksearch
<b>/SAPTRX/WCL_SEARCH</b>	WCL: Search
<b>/SAPTRX/WCL_SEND</b>	WCL: Direct Event Sending

### **SAP NetWeaver BI**

<b>Transaction</b>	<b>Description</b>
<b>/SAPTRX/BWCQ</b>	Check SCEM-queue for delta extraction.
<b>/SAPTRX/BWEX</b>	Definition of SAP BW-Profiles
<b>/SAPTRX/BWGS</b>	General Settings for BW Upload
<b>/SAPTRX/BWID</b>	Initialization of Setup Tables
<b>/SAPTRX/BWPQ</b>	Process SCEM-queue for delta extract
<b>/SAPTRX/BWIU</b>	Initial data upload to BW
<b>/SAPTRX/TSC0TF6</b>	Define BW Interface Functions

## 6.2 Abbreviations

AII	Auto ID Infrastructure	EM	Event Management
AO	Application Object	ET	Event Type
AOID	Application Object ID	EVM	Event Message
AOT	Application Object Type	ERP	Enterprise Resource Planning
APO	Advanced Planning and Optimization	GR	Goods Receipt
AS	Application System	GUI	Graphical User Interface
ASN	Advanced Ship Notice	HTTP	Hypertext Transfer Protocol
BAdI	Business Add-In	IDoc	Intermediate Document
BAPI	Business Application Programming Interface	IR	Invoice Receipt
BI	Business Intelligence – SAP NetWeaver BI	KPI	Key Performance Indicator
BPP	Business Process Procedure	LTL	Less than Truck Load
BPT	Business Process Type	OER	Object Event Repository
BW	Business Warehouse – SAP NetWeaver BI	OSS	Online Support Service – Now known as Service Marketplace
ECC	Enterprise Core Component	POD	Proof of Delivery
EDI	Electronic Data Interchange	PTA	Product Tracking and Authentication
EE	Expected Event	qRFC	Queued Remote Function Call
EH	Event Handler	RFC	Remote Function Call
EHS	Event Handler Set	RFID	Radio Frequency ID
EHT	Event Handler Type		

RTI	Returnable Transport Item	tRFC	Transaction Remote Function Call
SCEM	Supply Chain Event Management	TM	Transportation Management
SCM	Supply Chain Management	TSP	Tracking Service Provider
SNC	Supply Network Collaboration	UI	User Interface
SOA	Services Oriented Architecture	WCL	Web Communication Layer
SOX	Sarbanes Oxley	XML	eXtensible Markup Language

### **6.3 Available Enhancement Points**

#### **SAP EM**

- BAdI: Parameter Change After Mapping
- BAdI: Update Event Handler Data
- BAdI: Change Web Configuration Profiles
- BAdI: Document Flow Status
- BAdI: Document Flow Status
- BAdI: Document Flow Status

#### **Object Event Repository**

- BAdI: Pre- or Postprocess EventCaptureNotification Messages
- BAdI: Pre- or Postprocess EventQuery Messages

#### **SAP Business Information Warehouse**

- BAdI: Process Customer-Specific Data Collection Groups

- BAdI: Change Event Message Processing

## **6.4 Operations Guideline**

The following sections run through the various aspects you should look in to when running an SAP EM solution in a production environment.

### **6.4.1 Background Jobs**

The following background jobs need to be scheduled.

*Note:* The frequency is merely a suggestion as common practice. Please refer to your own situation when deciding on frequencies for when a job should run.

#### **/SAPTRX/PROCESS\_LOCKED\_EH (6x a day)**

Processor of locked event handlers is a scheduled regular job in transaction /saptrx/emjobs. For more information, see SAP Note 656990.

#### **/SAPTRX/PROCESS\_LOCKED\_EHSETS (6x a day)**

Processor of locked event handler sets is a scheduled regular job in transaction /saptrx/emjobs. For more information, see SAP Note 656990.

#### **/SAPTRX/COLLECT\_UNPROC\_EVMSG (6x a day)**

Number of unprocessed event messages in the desired client

#### **/SAPTRX/R\_REPOST\_AI\_LOGS (6x a day)**

Resend Application Object Data for Event Handlers is a scheduled regular job in transaction /saptrx/emjobs. For more information, see SAP Note 656990.

**/SAPTRX/EE\_MONITOR (every 3-5 min)**

Expected Events Monitor is a scheduled background job that continuously identifies expected events that are overdue. If an event has exceeded the expected date, the status is updated to Overdue and an expected event monitor procedure (for example, alert notification) is executed, if defined. To schedule the background job use transaction /SAPTRX/EMJOBS

**/SAPTRX/COLLECT\_LOCKED\_EH (6x per day (when working with EH Sets))**

Number of locked event handlers in the desired client is a scheduled regular job in transaction /saptrx/emjobs. For more information, see SAP Note 656990.

**/SAPTRX/COLLECT\_LOCKED\_EHSETS (6x a day)**

Number of locked event handler sets in the desired client is a scheduled regular job in transaction /saptrx/emjobs. For more, see SAP Note 656990.

*Restart the above jobs on a system restart.*

**6.4.2 Application Logs**

An application log is available for both the application system and SAP EM and is a very useful tool to the system administrator when the need arises to determine why an AOT, EH or Event Message did not behave as expected.

This provides information about communication operations and problems that occurred while EHs and AOTs were being created, event messages were being processed, or information was being queried.

- **Application System:** Transaction code: /SAPTRX/ASAPLOG. The application log in the application system provides you with an overview of all the activities

relevant to an application object as well as the appropriate event messages. You can reduce the memory space for the application log by deactivating it per business object.

- **SAP EM:** Transaction code: SLG1. The SAP EM application log provides you with an overview of all activities for an event handler and for its corresponding event messages that have occurred during event handler processing.

### 6.4.3 Event Management Monitoring

The following transactions are used to monitor SAP EM objects.

- **/SAPTRX/EH\_LIST** – Event Handler List
  - The Event Handler List provides details about an Event Handler. It's the equivalent of WE05 for Idocs.
  - EH status
  - Event Messages
  - Error messages
  - Parameters
  - Tasks executed
  - History
  - Measurements, ...
- **/SAPTRX/EE\_MON** - Expected Events Monitor
- **/SAPTRX/EVM\_STATUS** - Event Message Processing Status List
- **/SAPTRX/ER\_MS\_LIST** - Event Message Processing Error List
- **/SAPTRX/LOCKED\_PROC** - Process Event Messages for Locked Event Handler