

Logging Events

Ericsson Service-Aware Policy Controller

USER GUIDE

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Contents

1	Log Overview	1
2	Log Types	3
3	Log Events	5
4	Configuration	25
5	Reported Data	27
5.1	SAPC Application Logs Record Output Format	27





List of Tables

Table	Title	Page
1	Log Events Table Contents	5
2	AF Emergency Session Established	6
3	AF Emergency Session Terminated	7
4	Autoprovisioned Subscriber	7
5	Configuration Error	7
6	Diameter Incoming Message Discarded	7
7	Diameter Peer Node Restarted	8
8	Discarded Received Usage	8
9	EBM Mandatory Parameter Missed	9
10	End Deleting Inactive Sessions	9
11	End Deleting Old Sessions	10
12	End Sessions Emergency Removal	10
13	End User Notification Discarded	10
14	Error Fetching Data from External DB	11
15	Error Sending ASR	11
16	Error Sending CCA	11
17	Error Sending RAR	11
18	Error Sending SLR	12
19	Error Sending SNA	12
20	Error Sending STR	12
21	Error Sending TSR	13
22	Error Storing Data into External DB	13
23	Existing IP Session Removed	13
24	Geographical Redundancy State Changed	14
25	Internal Error	14
26	IP-CAN Session Exists	15
27	License Error	15
28	IMS Multimedia Priority Service	15



29	NetLoc Information Not Received during AF Session Termination	16
30	Non-Persistent Data Storage Empty	16
31	Not Supported OpenSSL Cipher Suite for Provisioning REST API Access	16
32	Notification Server Communication Error	17
33	Protocol Error	17
34	Reset of Accumulated Usage Data	17
35	REST API for Provisioning Purposes Not Available	18
36	Rollover Limit Surpassed	18
37	Rule Installation Failure	19
38	SOAP External DB Notification Not Matching Object for DN	19
39	SOAP External DB Notification Event Not Supported	20
40	Start Deleting Inactive Sessions	20
41	Start Deleting Old Sessions	20
42	Start Sessions Emergency Removal	20
43	Timeout Receiving RAA	21
44	Timeout Receiving SLA	21
45	Timeout Receiving STA	21
46	Timeout Receiving TSA	22
47	Unable to Deliver End User Notification	22
48	Unsuccessful RAA Received	22
49	Unsuccessful SLA Received	23
50	Unsuccessful SNA Sent	23
51	Unsuccessful STA Received	23
52	Unsuccessful TSA Received	24
53	Usage Limit Surpassed	24
54	Reported Log Files	27
55	Severity identifiers	28



1 Log Overview

Logging information is a high-level, cluster-significant, function-based (as opposed to implementation-particular) information suited primarily for network or system administrators, or automated tools to review current and historical logged information to troubleshoot issues such as misconfigurations, network disconnects and unavailable resources.

This document provides information about the main logged events of the SAPC used by operators or system administrators.

The SAPC provides some other more detailed (implementation dependent, for deeper software troubleshooting purposes) log events, targeted only for Ericsson support personnel which are not listed in this document.





2 Log Types

There are different logs to store different types of events:

Application Log	It is used for events related to the SAPC application noteworthy processing circumstances, those that may affect the service (used for troubleshooting). For example: a subscriber is autoprovisioned. The log events of this category are the ones covered in Section 3 on page 5.
Emergency Calls Log	<p>It is used for events related to the SAPC emergency services. For example: an AF Emergency Session established. The log events of this category are the ones covered in Table 2 and Table 3.</p> <p>Note: All the events printed in this log are also printed in the Application Log.</p>
Alarm Log	Each time an alarm is triggered, a log entry is generated.
Notification Log	Each time a notification is sent, a log entry is generated.
System Log	Used by applications to record noteworthy system circumstances, particularly those that affect service.





3 Log Events

This chapter explains the **application** events logged by the SAPC in tables with the following format:

Table 1 Log Events Table Contents

Event Name	Slogan of the event
Description	The explanation of the cause event
Severity	One of the following level values: <ul style="list-style-type: none">• 0: EMERGENCY. System is unusable• 1: ALERT. Action must be taken immediately• 2: CRITICAL. Critical conditions. If no action is taken, the system may not run properly• 3: ERROR. Error conditions• 4: WARNING. Warning conditions• 5: NOTICE. Advise• 6: INFORMATIONAL. Informational



Source	<p>Subsystem originating the event:</p> <ul style="list-style-type: none">• Access and Charging Control• QoS Control• Dynamic Policy Control• Policy Engine• Subscription• Fair Usage• Time Trigger• End User Notifications• Geographical Redundancy• External Database• Sy Subscriber Charging• SOAP Notification• Obsolete Sessions Notifier• Sd Application Detection and Control
Additional Info	<p>Any other relevant information.</p> <p>This information is literally what is displayed in the log file. When there are several parameters data logged in <code>additional_info</code>, all of them are logged (empty values in case there is no information for any of them).</p> <p>For protocol-related event logs, and to ease the tracking, there are cases where some parameters values are printed, even if they are not directly received in the messages content, but internally completed by the SAPC.</p>

Table 2 AF Emergency Session Established

Event Name	AF Emergency Session established.
Description	The SAPC has received and authorized a new request for IMS emergency service.
Severity	6: INFORMATIONAL



Source	Dynamic Policy Control
Additional Info	<ul style="list-style-type: none"> • SessionId: <Session ID>, • IpAddr: <UE IP Address>, • ServiceUrn: <Service URN>, • IMEISV: <IMEISV>, • SubsId: <Subscriber ID>

Table 3 AF Emergency Session Terminated

Event Name	AF Emergency Session terminated.
Description	The SAPC has received a termination request for IMS emergency service.
Severity	6: INFORMATIONAL
Source	Dynamic Policy Control
Additional Info	• SessionId: <Session ID>

Table 4 Autoprovisioned Subscriber

Event Name	Autoprovisioned subscriber.
Description	A subscriber has been autoprovisioned.
Severity	6: INFORMATIONAL
Source	Subscription
Additional Info	• SubsId: <Subscriber ID>

Table 5 Configuration Error

Event Name	Configuration error.
Description	A configuration error has been detected.
Severity	4: WARNING
Source	Any
Additional Info	• Detail: <Detailed Error>

Table 6 Diameter Incoming Message Discarded

Event Name	Diameter incoming message discarded.
Description	Discarded an incoming Diameter message. Therefore, the message has not been processed.
Severity	3: ERROR



Source	Any
Additional Info	<ul style="list-style-type: none">• SessionId: <Session ID>,• SubsId: <Subscriber ID⁽¹⁾>,• Protocol: <Gx Rx Sd>,• MessageType: <AAR ASA CCR-I CCR-U CCR-T RAA STR TSA>

(1) Value of the Subscription-Id AVP(s) received inside the message.

Table 7 Diameter Peer Node Restarted

Event Name	Diameter peer node restarted.
Description	A restart on a diameter peer has been detected. Sessions cleaning has been scheduled.
Severity	5: NOTICE
Source	Any
Additional Info	<ul style="list-style-type: none">• RestartedPeer: <Restarted Peer Node>,• Protocol: <Gx Rx>,• OriginStateId: <Current Origin-State-Id>,• PreviousOriginStateId: <Previously Stored Origin-State-Id for that Diameter Peer>

Table 8 Discarded Received Usage

Event Name	Discarded received usage.
Description	A traffic message (CCR) has been received containing reported usage for a subscriber, but the SAPC discards the received usage.
Severity	6: INFORMATIONAL



Source	Fair Usage
Additional Info	<ul style="list-style-type: none"> • SubsId: <Subscriber ID>, • SubsGroup: <Subscriber group>, • RG: <Reporting Group>, • Counter: <Counter Name>, • UsageType: <Bidir UL DL time>, • ReportedUsage: <Reported Usage Values>, • Reason: <reason nr> The SAPC has discarded the received usage for a session; the <reason nr> specifies why: 1= the usage accumulator was previously reset for another active session of the subscriber/family. 2= the usage accumulator cannot be accessed because of provisioning changes or is not enabled for accumulation.

Table 9 EBM Mandatory Parameter Missed

Event Name	EBM mandatory parameter missed.
Description	Mandatory parameter is missing.
Severity	3: ERROR
Source	EBM
Additional Info	<ul style="list-style-type: none"> • ParameterName: <Name of the missing mandatory parameter>

Table 10 End Deleting Inactive Sessions

Event Name	End deleting inactive sessions.
Description	The SAPC has finished to remove inactive sessions.
Severity	6: INFORMATIONAL
Source	Obsolete Sessions Notifier
Additional Info	<ul style="list-style-type: none"> • Obsolete Gx sessions: <Number of Obsolete sessions>. • <Reached maximum execution time.> • <Stopped due to ongoing peer restart or removal.>



Table 11 End Deleting Old Sessions

Event Name	End deleting old sessions.
Description	The SAPC has finished to remove old sessions belonging to the restarted peer.
Severity	6: INFORMATIONAL
Source	Obsolete Sessions Notifier
Additional Info	<ul style="list-style-type: none">RestartedPeer: <Restarted Peer Node>,Protocol: <Gx Rx>,OriginStateId: <Current Origin-State-Id>

Table 12 End Sessions Emergency Removal

Event Name	End sessions emergency removal.
Description	The SAPC has finished the emergency procedure to remove sessions and its Origin-State-Id has changed.
Severity	6: INFORMATIONAL
Source	Sessions Emergency Removal
Additional Info	<ul style="list-style-type: none">LogFile: <Log file including verbose information about the emergency procedure for session cleanup>,OriginStateId: <Current Origin-State-Id>

Table 13 End User Notification Discarded

Event Name	End User Notification discarded
Description	The internal queue in the End User Notification subsystem is filled. The end user notification is discarded.
Severity	3: ERROR
Source	End User Notifications
Additional Info	<ul style="list-style-type: none">Protocol: <SMPP SOAP>,SubsId: <Subscriber ID>,Destination: <SMS destination number>,Message: <Notification text>



Table 14 Error Fetching Data from External DB

Event Name	Error fetching data from external DB.
Description	There has been an error requesting data from external database. Example: The database is not accessible.
Severity	3: ERROR
Source	External Database
Additional Info	<ul style="list-style-type: none"> • URL: <URL>, • Query: <Query>, • ProbableCause: <Probable Cause>

Table 15 Error Sending ASR

Event Name	Error sending ASR.
Description	The SAPC failed to send an ASR message.
Severity	4: WARNING
Source	Dynamic Policy Control
Additional Info	<ul style="list-style-type: none"> • SessionId: <Session ID> • Protocol: <Rx>

Table 16 Error Sending CCA

Event Name	Error sending CCA.
Description	The SAPC failed to send a CCA message.
Severity	3: ERROR
Source	Access and Charging Control QoS Control Sd Application Detection and Control
Additional Info	<ul style="list-style-type: none"> • SessionId: <Session ID>, • Protocol: <Gx Sx Sd>

Table 17 Error Sending RAR

Event Name	Error sending RAR.
Description	The SAPC failed to send an RAR message.
Severity	4: WARNING



Source	Access and Charging Control QoS Control Dynamic Policy Control Sd Application Detection and Control
Additional Info	<ul style="list-style-type: none">• SessionId: <Session ID>,• Protocol: <Gx Rx Sd>

Table 18 Error Sending SLR

Event Name	Error sending SLR.
Description	The SAPC failed to send an SLR message.
Severity	3: ERROR
Source	Sy Subscriber Charging
Additional Info	<ul style="list-style-type: none">• SessionId: <Session ID>,• SubsId: <Subscriber ID>,• Protocol: <Sy ESy>

Table 19 Error Sending SNA

Event Name	Error sending SNA.
Description	The SAPC failed to send an SNA message.
Severity	3: ERROR
Source	Sy Subscriber Charging
Additional Info	<ul style="list-style-type: none">• SessionId: <Session ID>,• Protocol: <Sy ESy >

Table 20 Error Sending STR

Event Name	Error sending SNR.
Description	The SAPC failed to send an SNR message.
Severity	3: ERROR
Source	Sy Subscriber Charging
Additional Info	<ul style="list-style-type: none">• SessionId: <Session ID>,• Protocol: <Sy ESy>



Table 21 Error Sending TSR

Event Name	Error sending TSR.
Description	The SAPC failed to send a TSR message.
Severity	3: ERROR
Source	Sd Application Detection and Control
Additional Info	<ul style="list-style-type: none"> • SessionId: <Session ID>, • SubsId: <Subscriber ID>, • Protocol: <Sd>, • DestinationRealm: <Destination Realm>, • DestinationHost: <Destination Host>, • DestinationIpAddr: <Destination IP Address>

Table 22 Error Storing Data into External DB

Event Name	Error storing data into external DB.
Description	There has been an error writing data in the external database. Example: The database is not accessible.
Severity	3: ERROR
Source	External Database
Additional Info	<ul style="list-style-type: none"> • URL: <URL>, • Query: <Query>, • ProbableCause: <Probable Cause>

Table 23 Existing IP Session Removed

Event Name	Existing IP Session removed.
Description	A CCR Initial message, for an existing IP Session has been received. The old IP Session is removed.
Severity	4: WARNING
Source	Access and Charging Control
Additional Info	<ul style="list-style-type: none"> • SessionId: <Session ID>, • IpAddr: <UE IP Address>, • Protocol: <Gx>, • APN: <Access Point Name>, • PeerId: <PCEF name>



Table 24 Geographical Redundancy State Changed

Event Name	Geographical redundancy state changed.
Description	Indicates when the SAPC changes its geographical redundancy state.
Severity	4: WARNING
Source	Geographical Redundancy
Additional Info	<ul style="list-style-type: none">• PreviousState: <INITIAL ACTIVE STANDBY HALTED DISTRIBUTED SYNCHRONIZING>,• CurrentState: <INITIAL ACTIVE STANDBY HALTED DISTRIBUTED SYNCHRONIZING>,• Reason: <reason text> For Active-Standby Geographical Redundancy:<ul style="list-style-type: none">- "The SAPC started as ACTIVE node"- "The SAPC started as STANDBY node"- "Geographical Redundancy has been stopped by operational procedure"- "The SAPC mated pair is unreachable or not handling traffic"- "The SAPC peer is ACTIVE and preferred node."- "The SAPC peer has been stopped by operational procedure"- "Unplanned restart of the SAPC application." For Active-Active Geographical Redundancy:<ul style="list-style-type: none">- "Geographical Redundancy is started by operational procedure"- "Geographical Redundancy has been stopped by operational procedure"- "The data mirroring with the SAPC peer is not available"- "The SAPC has finished the data replication from the SAPC peer"- "The data mirroring with the SAPC peer is available"- "The data mirroring with the SAPC peer is not available"- "The SAPC peer has been stopped by operational procedure"- "The SAPC restarts or the data mirroring with the SAPC peer is not available"- "The SAPC restarts and replicates data from the SAPC peer"- "The data mirroring is down. The SAPC stops handling traffic"- "The SAPC stops handling traffic and the SAPC peer starts handling traffic"- "The SAPC starts handling traffic. In split-brain scenario"

Table 25 Internal Error

Event Name	Internal error.
Description	The SAPC has detected an internal error.
Severity	4: WARNING
Source	Any
Additional Info	<ul style="list-style-type: none">• Protocol: <Gx Rx Sx Sd>,• Detail: <Detailed Error>



Table 26 IP-CAN Session Exists

Event Name	IP-CAN session exists.
Description	The IP-CAN session to be created exists.
Severity	4: WARNING
Source	Access and Charging Control
Additional Info	<ul style="list-style-type: none"> • SessionId: <Session ID>, • Protocol: <Gx>

Table 27 License Error

Event Name	License error.
Description	The SAPC has answered a request with error due to a missing or expired license. When the SAPC can process the request even if a function (for example end user notifications) is not licensed, this log does not appear.
Severity	4: WARNING
Source	Any
Additional Info	<ul style="list-style-type: none"> • Detail: <Detailed Error>, • SessionId: <Session ID>

Table 28 IMS Multimedia Priority Service

Event Name	IMS Multimedia Priority Service.
Description	An AAR has been received with IMS Multimedia Priority Service enabled.
Severity	6: INFORMATIONAL
Source	Dynamic Policy Control
Additional Info	<ul style="list-style-type: none"> • SessionId: <Session ID>, • IpAddr: <UE IP Address>, • MpsIdentifier: <MPS service identifier>, • ReservationPriority: <relative service priority level>



Table 29 NetLoc Information Not Received during AF Session Termination

Event Name	NetLoc information not received during AF session termination.
Description	The SAPC received an STR from AF requesting network location information, but did not receive it from the PCEF.
Severity	4: WARNING
Source	Dynamic Policy Control
Additional Info	<ul style="list-style-type: none">• SessionId: <Session ID>

Table 30 Non-Persistent Data Storage Empty

Event Name	Non-Persistent data storage empty.
Description	Non-persistent data such as Time of Day, subscriber session, and subscriber notifications are empty. This means that: <ul style="list-style-type: none">• a) The internal Time Trigger reauthorization events are lost.• b) For end-user notifications, the same notification message can be repeated.• c) For Fair Usage, the usage accumulators may be not accurate.
Severity	4: WARNING
Source	Any
Additional Info	

Table 31 Not Supported OpenSSL Cipher Suite for Provisioning REST API Access

Event Name	Not supported OpenSSL cipher suite for Provisioning REST API access.
Description	The SAPC Provisioning REST API does not support the configured cipher.
Severity	4: WARNING
Source	Subscription
Additional Info	<ul style="list-style-type: none">• CipherName: <Name of the cipher not supported>



Table 32 Notification Server Communication Error

Event Name	Notification Server Communication Error.
Description	A communication error between the SAPC and the Notification Server has been detected.
Severity	3: ERROR
Source	End User Notifications
Additional Info	<ul style="list-style-type: none"> • Protocol: <SMPP SOAP>, • ServerAddress: <ip:port>, <url>, • Error cause: <ul style="list-style-type: none"> - "Unable to establish a connection"- "Communication lost."

Table 33 Protocol Error

Event Name	Protocol error.
Description	The SAPC processes a message with a result different than success, and the reason for the error is information sent inside the message.
Severity	4: WARNING
Source	Any
Additional Info	<ul style="list-style-type: none"> • Protocol: <Gx Rx Sx Sd>, • Detail: <Detailed Error>, • SessionId: <Session ID>, • Result-Code: <Result Code>, • SubsId: <Subscriber ID>, • IpAddr: <UE IP Address>, • APN: <Access Point Name>, • PeerId: <Diameter peer name>, • Ip-Domain-Id: <IP Domain ID>

Table 34 Reset of Accumulated Usage Data

Event Name	Reset of accumulated usage data.
Description	The accumulated usage data have been reset.
Severity	6: INFORMATIONAL



Source	Fair Usage
Additional Info	<ul style="list-style-type: none">• SubsId: <Subscriber ID>,• SubsGroup: <Subscriber group>,• RG: <Reporting Group>,• Counter: <Counter Name>,• SubscriptionDate: <Subscription Date>,• Bidir: <Bidir value>,• UL: <Uplink value>,• DL: <Downlink value>,• time: <time value>,• RolloverBidir: <Rollover Bidir value>,⁽¹⁾• RolloverUL: <Rollover Uplink value>,⁽¹⁾• RolloverDL: <Rollover Downlink value>,⁽¹⁾• RolloverTime: <Rollover time value>⁽¹⁾

(1) This value is only displayed if quota rollover is enabled.

Table 35 REST API for Provisioning Purposes Not Available

Event Name	REST API for provisioning purposes not available.
Description	The SAPC Provisioning REST API is not available due to none configured cipher is supported.
Severity	2: CRITICAL
Source	Subscription
Additional Info	<ul style="list-style-type: none">• Wrong or missing TLS ciphers configuration.

Table 36 Rollover Limit Surpassed

Event Name	Rollover limit surpassed.
Description	A subscriber rollover usage limit has been surpassed.
Severity	6: INFORMATIONAL



Source	Fair Usage
Additional Info	<ul style="list-style-type: none"> • SubsId: <Subscriber ID>, • SubsGroup: <Subscriber group>, • RG: <Reporting Group>, • Counter: <Counter Name>, • LimitType: <Bidir UL DL time>

Table 37 Rule Installation Failure

Event Name	Rule Installation Failure.
Description	A CCR has been received indicating Rule Installation Failure. For example, any rule has been reported as inactive by the PCEF, or there has been an installation with lower QoS (rules active but with Rule-Failure-Code = UNSUCCESSFUL_QOS_VALIDATION).
Severity	5: NOTICE
Source	Access and Charging Control QoS Control
Additional Info	<ul style="list-style-type: none"> • SessionId: <Session ID>, • Protocol: <Gx>, • Rule-Name: <Charging-Rule-Name or Charging-Rule-Base-Name>, • ErrorCode: <Error Code>

Table 38 SOAP External DB Notification Not Matching Object for DN

Event Name	SOAP external DB notification not matching object for DN.
Description	SOAP Request received for a not supported DN.
Severity	4: WARNING
Source	SOAP Notification
Additional Info	<ul style="list-style-type: none"> • HostIpAddr: <Host IP address that sends the notification>, • ReceivedDN: <Received DN>



Table 39 SOAP External DB Notification Event Not Supported

Event Name	SOAP external DB notification event not supported.
Description	SOAP Request received containing notificationEvent not supported.
Severity	4: WARNING
Source	SOAP Notification
Additional Info	<ul style="list-style-type: none">• HostIpAddr: <Host IP address that sends the notification>,• Notif: <Received notification event>

Table 40 Start Deleting Inactive Sessions

Event Name	Start deleting inactive sessions.
Description	The SAPC has started to remove inactive sessions.
Severity	6: INFORMATIONAL
Source	Obsolete Sessions Notifier
Additional Info	<ul style="list-style-type: none">• Obsolete Gx sessions: <Number of Obsolete sessions>

Table 41 Start Deleting Old Sessions

Event Name	Start deleting old sessions.
Description	The SAPC has started to delete old sessions belonging to the restarted peer.
Severity	6: INFORMATIONAL
Source	Obsolete Sessions Notifier
Additional Info	<ul style="list-style-type: none">• RestartedPeer: <Restarted Peer Node>,• Protocol: <Gx Rx>,• OriginStateId: <Current Origin-State-Id>

Table 42 Start Sessions Emergency Removal

Event Name	Start sessions emergency removal.
Description	The SAPC has started the emergency procedure to remove sessions and its Origin-State-Id is going to change.
Severity	6: INFORMATIONAL



Source	Sessions Emergency Removal
Additional Info	<ul style="list-style-type: none"> • LogFile: <Log file including verbose information about the emergency procedure for session cleanup>, • OriginStateId: <Current Origin-State-Id>

Table 43 Timeout Receiving RAA

Event Name	Timeout receiving RAA.
Description	The SAPC did not receive an RAA because of a timeout.
Severity	3: ERROR
Source	Access and Charging Control QoS Control Dynamic Policy Control Sd Application Detection and Control
Additional Info	<ul style="list-style-type: none"> • SessionId: <Session ID>, • Protocol: <Gx Rx Sd>

Table 44 Timeout Receiving SLA

Event Name	Timeout receiving SLA.
Description	The SAPC did not receive an SLA because of a timeout.
Severity	3: ERROR
Source	Sy Subscriber Charging
Additional Info	<ul style="list-style-type: none"> • SessionId: <Session ID>, • Protocol: <Sy ESy>

Table 45 Timeout Receiving STA

Event Name	Timeout receiving STA.
Description	The SAPC failed to receive an STA because of a timeout.
Severity	3: ERROR
Source	Sy Subscriber Charging
Additional Info	<ul style="list-style-type: none"> • SessionId: <Session ID>, • Protocol: <Sy ESy>



Table 46 Timeout Receiving TSA

Event Name	Timeout receiving TSA.
Description	The SAPC did not receive a TSA because of a timeout.
Severity	3: ERROR
Source	Sd Application Detection and Control
Additional Info	<ul style="list-style-type: none">• SessionId: <Session ID>,• Protocol: <Sd>

Table 47 Unable to Deliver End User Notification

Event Name	Unable to deliver End User Notification.
Description	The SAPC has not been able to send the subscriber notification.
Severity	6: INFORMATIONAL
Source	End User Notifications
Additional Info	<ul style="list-style-type: none">• Protocol: <SMPP SOAP>,• ServerAddress: <severAddress:serverPort>, <webServiceUrl>,• SubsId: <Subscriber ID>,• Destination: <sms destination number>,• Message: <Notification text>,• Additional Info:<ul style="list-style-type: none">- "Unknown reason (timeout)"-"SMS Center destination is not configured"- "Web Service End Point is not configured"

Table 48 Unsuccessful RAA Received

Event Name	Unsuccessful RAA received.
Description	The SAPC received an RAA message with result code not success.
Severity	3: ERROR



Source	Access and Charging Control QoS Control Sd Application Detection and Control
Additional Info	<ul style="list-style-type: none"> • SessionId: <Session ID>, • Result-Code: <Result Code>, • Protocol: <Gx Sd>

Table 49 Unsuccessful SLA Received

Event Name	Unsuccessful SLA received.
Description	The SAPC received an SLA message with result code not success.
Severity	3: ERROR
Source	Sy Subscriber Charging
Additional Info	<ul style="list-style-type: none"> • SessionId: <Session ID>, • Result-Code: <Result Code>, • Protocol: <Sy ESy>

Table 50 Unsuccessful SNA Sent

Event Name	Unsuccessful SNA sent.
Description	The SAPC sent an SNA message with result code not success.
Severity	3: ERROR
Source	Sy Subscriber Charging
Additional Info	<ul style="list-style-type: none"> • SessionId: <Session ID>, • Result-Code: <Result Code>, • Protocol: <Sy ESy>

Table 51 Unsuccessful STA Received

Event Name	Unsuccessful STA received.
Description	The SAPC received an STA message with result code not success.
Severity	3: ERROR



Source	Sy Subscriber Charging
Additional Info	<ul style="list-style-type: none">• SessionId: <Session ID>,• Result-Code: <Result Code>,• Protocol: <Sy ESy>

Table 52 Unsuccessful TSA Received

Event Name	Unsuccessful TSA received.
Description	The SAPC received a TSA message with result code not success.
Severity	3: ERROR
Source	Sd Application Detection and Control
Additional Info	<ul style="list-style-type: none">• SessionId: <Session ID>,• Result-Code: <Result Code>,• Protocol: <Sd>

Table 53 Usage Limit Surpassed

Event Name	Usage Limit Surpassed.
Description	A subscriber usage limit has been surpassed.
Severity	6: INFORMATIONAL
Source	Fair Usage
Additional Info	<ul style="list-style-type: none">• SubsId: <Subscriber ID>,• SubsGroup: <Subscriber group>,• RG: <Reporting Group>,• Counter: <Counter Name>• RgType: <absolute session>,• LimitType: <Bidir UL DL time>



4 Configuration

To configure the log level for the SAPC, set the `loggingLevel` attribute of the `BusinessEvents` object to the proper value. Example using COM cliss:

```
# /opt/com/bin/cliss
```

```
>configure
```

```
(config)>ManagedElement=1,PolicyControlFunction=1,BusinessEvents=1,loggingLevel=3
```

```
(config)>commit
```

```
>show ManagedElement=1,PolicyControlFunction=1,BusinessEvents=1,loggingLevel
```

```
loggingLevel=3
```





5 Reported Data

To check the logs generated by the system follow next steps:

1. Access to the SAPC according to [System Administrator Guide](#).
2. Depending on the type of log that the user needs to check, enter in the paths defined in Table 54.

The following table shows the default location for log files.

Table 54 Reported Log Files

Logs	File
SAPC Application Logs	/cluster/storage/no-backup/coremw/var/log/saflog/sapc/sapc__<createdate>_<createtime>[_<closedate>_<closetime>].log
SAPC Java Application Logs (external database and end user notifications)	/cluster/storage/no-backup/coremw/var/log/saflog/sapc/sapcJava_<createdate>_<createtime>[_<closedate>_<closetime>].log
SAPC Emergency Calls Logs	/cluster/storage/no-backup/coremw/var/log/saflog/sapc/emergencyCalls_<createdate>_<createtime>[_<closedate>_<closetime>].log
Alarm Logs	/cluster/storage/no-backup/coremw/var/log/saflog/saLogAlarm_<createdate>_<createtime>[_<closedate>_<closetime>].log
Notification Logs	/cluster/storage/no-backup/coremw/var/log/saflog/saLogNotification_<createdate>_<createtime>[_<closedate>_<closetime>].log
System Logs	/cluster/storage/no-backup/coremw/var/log/saflog/saLogSystem_<createdate>_<createtime>[_<closedate>_<closetime>].log

5.1 SAPC Application Logs Record Output Format

Events in the application log contain the following information:

- Log record identifier
- Timestamp
- Severity. This field contains two characters to define the severity. All the possible severity identifiers are defined in Table 55.



— Message Information. This field includes following information:

- The DomainName, that is the identity of the Service Component, Service Unit, Service Group, and Service Application of the instance triggering the log.
- The Event Name.
- The Additional Info.

The following table shows the set of severity identifiers:

Table 55 Severity identifiers

Severity Identifiers	Description
EM	EMERGENCY
AL	ALERT
CR	CRITICAL
ER	ERROR
WA	WARNING
NO	NOTICE
IN	INFORMATIONAL

The following is an example of a printed log event:

1821 16:59:33 02/22/2016 ER safComp=ERIC-SAPC_PcrfProc,safSu=ERIC-SAPC_PcrfProc

Example 1 SAPC Application Log Example