

TSG RAN Meeting #17
Biarritz, France, 3 - 6 September, 2002

RP-020602

Title CRs (R99 and Rel-4/Rel-5 Category A) to TS 25.419
Source TSG RAN WG3
Agenda Item 7.3.3

RAN3 Tdoc	Spec	curr. Vers.	new Vers.	REL	CR	Rev	Cat	Title	Work item
R3-022128	25.419	3.9.0	3.10.0	R99	104	1	F	Correction to ASN.1 coding: criticality information missing	TEI
R3-022129	25.419	4.5.1	4.6.0	REL-4	105	1	A	Correction to ASN.1 coding: criticality information missing	TEI
R3-022130	25.419	5.1.0	5.2.0	REL-5	106	1	A	Correction to ASN.1 coding: criticality information missing	TEI

CHANGE REQUEST

⌘ **25.419 CR 104** ⌘ rev **1** ⌘ Current version: **3.9.0** ⌘

For **HELP** on using this form, see bottom of this page or look at the pop-up text over the ⌘ symbols.

Proposed change affects: UICC apps ME Radio Access Network Core Network

Title: ⌘ Correction to the ASN.1 Coding:
Criticality Information is missing from "Interface Elementary Procedure List"

Source: ⌘ RAN WG3

Work item code: ⌘ TEI

Date: ⌘ 21/08/2002

Category: ⌘ **F**

Release: ⌘ R99

Use one of the following categories:

Use one of the following releases:

F (correction)

2 (GSM Phase 2)

A (corresponds to a correction in an earlier release)

R96 (Release 1996)

B (addition of feature),

R97 (Release 1997)

C (functional modification of feature)

R98 (Release 1998)

D (editorial modification)

R99 (Release 1999)

Detailed explanations of the above categories can be found in 3GPP [TR 21.900](#).

Rel-4 (Release 4)

Rel-5 (Release 5)

Rel-6 (Release 6)

Reason for change: ⌘ Currently within the ASN.1 coding - Section 9.3.2 – of 25.419 (all Releases), the criticality of all the actual procedures in this protocol has been omitted.

Summary of change: ⌘ The appropriate Criticality has been included within the ASN.1 text to each procedure

Consequences if not approved: ⌘ In the event of an error situation, the ASN.1 coder will not be able to determine whether it should reject/ignore messages from a particular procedure as it does not have any information to adhere to.

Impact Analysis:

Impact assessment towards the previous version of the specification (same release):

This CR has [isolated](#) impact on the previous version of the specification (same release) [because it changes the error handling of some procedures](#) for implementations [not aligned with this CR](#).

[The impact is considered isolated because it affects only Class 1 EPs.](#)

[This CR has impact under protocol and functional point of view..](#)

Clauses affected: ⌘ 9.3.2

Y N

Other specs

⌘

Y	
---	--

 Other core specifications

⌘ [TS 25.419](#) Rel-4 (CR105),
[TS 25.419](#) Rel-5 (CR106)

affected:

<input checked="" type="checkbox"/>	Test specifications
<input checked="" type="checkbox"/>	O&M Specifications

Other comments: ☞

How to create CRs using this form:

Comprehensive information and tips about how to create CRs can be found at <http://www.3gpp.org/specs/CR.htm>.

Below is a brief summary:

- 1) Fill out the above form. The symbols above marked ☞ contain pop-up help information about the field that they are closest to.
- 2) Obtain the latest version for the release of the specification to which the change is proposed. Use the MS Word "revision marks" feature (also known as "track changes") when making the changes. All 3GPP specifications can be downloaded from the 3GPP server under <ftp://ftp.3gpp.org/specs/> For the latest version, look for the directory name with the latest date e.g. 2001-03 contains the specifications resulting from the March 2001 TSG meetings.
- 3) With "track changes" disabled, paste the entire CR form (use CTRL-A to select it) into the specification just in front of the clause containing the first piece of changed text. Delete those parts of the specification which are not relevant to the change request.

9.3.2 Elementary Procedure Definitions

```
-- *****
--
-- Elementary Procedure definitions
--
-- *****

SABP-PDU-Descriptions {
itu-t (0) identified-organization (4) etsi (0) mobileDomain (0)
umts-Access (20) modules (3) sabp (3) version1 (1) sabp-PDU-Descriptions (0)}

DEFINITIONS AUTOMATIC TAGS ::=

BEGIN

-- *****
--
-- IE parameter types from other modules.
--
-- *****

IMPORTS
    Criticality,
    ProcedureCode
FROM SABP-CommonDataTypes

    Error-Indication,
    Failure,
    Kill,
    Kill-Complete,
    Kill-Failure,
    Load-Query,
    Load-Query-Complete,
    Load-Query-Failure,
    Reset,
    Reset-Complete,
    Reset-Failure,
    Restart,
    Message-Status-Query,
    Message-Status-Query-Complete,
    Message-Status-Query-Failure,
    Write-Replace,
    Write-Replace-Complete,
    Write-Replace-Failure
FROM SABP-PDU-Contents

    id-Error-Indication,
    id-Failure-Indication,
```

```

    id-Kill,
    id-Reset,
    id-Restart-Indication,
    id-Load-Status-Enquiry,
    id-Message-Status-Query,
    id-Write-Replace
FROM SABP-Constants;

-- *****
--
-- Interface Elementary Procedure Class
--
-- *****

SABP-ELEMENTARY-PROCEDURE ::= CLASS {
    &InitiatingMessage          ,
    &SuccessfulOutcome          OPTIONAL,
    &UnsuccessfulOutcome        OPTIONAL,
    &procedureCode              ProcedureCode UNIQUE,
    &criticality                 Criticality    DEFAULT ignore
}
WITH SYNTAX {
    INITIATING MESSAGE      &InitiatingMessage
    [SUCCESSFUL OUTCOME
&SuccessfulOutcome]
    [UNSUCCESSFUL OUTCOME  &UnsuccessfulOutcome]
    PROCEDURE CODE         &procedureCode
    [CRITICALITY           &criticality]
}

-- *****
--
-- Interface PDU Definition
--
-- *****

SABP-PDU ::= CHOICE {
    initiatingMessage  InitiatingMessage,
    successfulOutcome  SuccessfulOutcome,
    unsuccessfulOutcome UnsuccessfulOutcome,
    ...
}

InitiatingMessage ::= SEQUENCE {
    procedureCode  SABP-ELEMENTARY-PROCEDURE.&procedureCode    ({SABP-ELEMENTARY-PROCEDURES}),
    criticality    SABP-ELEMENTARY-PROCEDURE.&criticality        ({SABP-ELEMENTARY-PROCEDURES}{@procedureCode}),
    value         SABP-ELEMENTARY-PROCEDURE.&InitiatingMessage  ({SABP-ELEMENTARY-PROCEDURES}{@procedureCode})
}

SuccessfulOutcome ::= SEQUENCE {
    procedureCode  SABP-ELEMENTARY-PROCEDURE.&procedureCode    ({SABP-ELEMENTARY-PROCEDURES}),
    criticality    SABP-ELEMENTARY-PROCEDURE.&criticality        ({SABP-ELEMENTARY-PROCEDURES}{@procedureCode}),
}

```

```

    value          SABP-ELEMENTARY-PROCEDURE.&SuccessfulOutcome    ({SABP-ELEMENTARY-PROCEDURES}{@procedureCode})
  }

  UnsuccessfulOutcome ::= SEQUENCE {
    procedureCode    SABP-ELEMENTARY-PROCEDURE.&procedureCode    ({SABP-ELEMENTARY-PROCEDURES}),
    criticality      SABP-ELEMENTARY-PROCEDURE.&criticality      ({SABP-ELEMENTARY-PROCEDURES}{@procedureCode}),
    value           SABP-ELEMENTARY-PROCEDURE.&UnsuccessfulOutcome ({SABP-ELEMENTARY-PROCEDURES}{@procedureCode})
  }

  -- *****
  --
  -- Interface Elementary Procedure List
  --
  -- *****

  SABP-ELEMENTARY-PROCEDURES SABP-ELEMENTARY-PROCEDURE ::= {
    SABP-ELEMENTARY-PROCEDURES-CLASS-1 |
    SABP-ELEMENTARY-PROCEDURES-CLASS-2 ,
    ...
  }

  SABP-ELEMENTARY-PROCEDURES-CLASS-1 SABP-ELEMENTARY-PROCEDURE ::= {
    write-Replace      |
    kill               |
    load-Status-Enquiry |
    message-Status-Query |
    reset              ,
    ...
  }

  SABP-ELEMENTARY-PROCEDURES-CLASS-2 SABP-ELEMENTARY-PROCEDURE ::= {
    restart-Indication |
    failure-Indication |
    error-Indication  ,
    ...
  }

  write-Replace SABP-ELEMENTARY-PROCEDURE ::= {
    INITIATING MESSAGE  Write-Replace
    SUCCESSFUL OUTCOME  Write-Replace-Complete
    UNSUCCESSFUL OUTCOME Write-Replace-Failure
    PROCEDURE CODE      id-Write-Replace
    CRITICALITY        reject
  }

  kill SABP-ELEMENTARY-PROCEDURE ::= {
    INITIATING MESSAGE  Kill
    SUCCESSFUL OUTCOME  Kill-Complete
    UNSUCCESSFUL OUTCOME Kill-Failure
    PROCEDURE CODE      id-Kill
    CRITICALITY        reject
  }

```

```
load-status-Enquiry SABP-ELEMENTARY-PROCEDURE ::= {
  INITIATING MESSAGE  Load-Query
  SUCCESSFUL OUTCOME  Load-Query-Complete
  UNSUCCESSFUL OUTCOME  Load-Query-Failure
  PROCEDURE CODE      id-Load-Status-Enquiry
  CRITICALITY          reject
}

message-Status-Query SABP-ELEMENTARY-PROCEDURE ::= {
  INITIATING MESSAGE  Message-Status-Query
  SUCCESSFUL OUTCOME  Message-Status-Query-Complete
  UNSUCCESSFUL OUTCOME  Message-Status-Query-Failure
  PROCEDURE CODE      id-Message-Status-Query
  CRITICALITY          reject
}

reset SABP-ELEMENTARY-PROCEDURE ::= {
  INITIATING MESSAGE  Reset
  SUCCESSFUL OUTCOME  Reset-Complete
  UNSUCCESSFUL OUTCOME  Reset-Failure
  PROCEDURE CODE      id-Reset
  CRITICALITY          reject
}

restart-Indication SABP-ELEMENTARY-PROCEDURE ::= {
  INITIATING MESSAGE  Restart
  PROCEDURE CODE      id-Restart-Indication
  CRITICALITY          ignore
}

failure-Indication SABP-ELEMENTARY-PROCEDURE ::= {
  INITIATING MESSAGE  Failure
  PROCEDURE CODE      id-Failure-Indication
  CRITICALITY          ignore
}

error-Indication SABP-ELEMENTARY-PROCEDURE ::= {
  INITIATING MESSAGE  Error-Indication
  PROCEDURE CODE      id-Error-Indication
  CRITICALITY          ignore
}

END
```

END OF CHANGES

CHANGE REQUEST

⌘ **25.419 CR 105** ⌘ rev **1** ⌘ Current version: **4.5.1** ⌘

For **HELP** on using this form, see bottom of this page or look at the pop-up text over the ⌘ symbols.

Proposed change affects: UICC apps ME Radio Access Network Core Network

Title:	⌘ Correction to the ASN.1 Coding: Criticality Information is missing from "Interface Elementary Procedure List"		
Source:	⌘ RAN WG3		
Work item code:	⌘ TEI	Date:	⌘ 21/08/2002
Category:	⌘ A Use <u>one</u> of the following categories: F (correction) A (corresponds to a correction in an earlier release) B (addition of feature), C (functional modification of feature) D (editorial modification) Detailed explanations of the above categories can be found in 3GPP TR 21.900 .	Release:	⌘ Rel-4 Use <u>one</u> of the following releases: 2 (GSM Phase 2) R96 (Release 1996) R97 (Release 1997) R98 (Release 1998) R99 (Release 1999) Rel-4 (Release 4) Rel-5 (Release 5) Rel-6 (Release 6)

Reason for change:	⌘ Currently within the ASN.1 coding - Section 9.3.2 – of 25.419 (all Releases), the criticality of all the actual procedures in this protocol has been omitted.
Summary of change:	⌘ The appropriate Criticality has been included within the ASN.1 text to each procedure
Consequences if not approved:	⌘ In the event of an error situation, the ASN.1 coder will not be able to determine whether it should reject/ignore messages from a particular procedure as it does not have any information to adhere to. Impact Analysis: Impact assessment towards the previous version of the specification (same release): This CR has <u>isolated</u> impact on the previous version of the specification (same release) <u>because it changes the error handling of some procedures</u> for implementations <u>not aligned with this CR</u> . <u>The impact is considered isolated because it affects only Class 1 EPs.</u> <u>This CR has impact under protocol and functional point of view.</u>

Clauses affected: ⌘ 9.3.2

Other specs

Y	N
Y	

Other core specifications

⌘ [TS 25.419](#) Rel-99 (CR104),
[TS 25.419](#) Rel-5 (CR106)

affected:

<input checked="" type="checkbox"/>	Test specifications
<input checked="" type="checkbox"/>	O&M Specifications

Other comments: ☞

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Below is a brief summary:

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- 3) With "track changes" disabled, paste the entire CR form (use CTRL-A to select it) into the specification just in front of the clause containing the first piece of changed text. Delete those parts of the specification which are not relevant to the change request.

9.3.2 Elementary Procedure Definitions

```
-- *****
--
-- Elementary Procedure definitions
--
-- *****

SABP-PDU-Descriptions {
itu-t (0) identified-organization (4) etsi (0) mobileDomain (0)
umts-Access (20) modules (3) sabp (3) version1 (1) sabp-PDU-Descriptions (0)}

DEFINITIONS AUTOMATIC TAGS ::=

BEGIN

-- *****
--
-- IE parameter types from other modules.
--
-- *****

IMPORTS
    Criticality,
    ProcedureCode
FROM SABP-CommonDataTypes

    Error-Indication,
    Failure,
    Kill,
    Kill-Complete,
    Kill-Failure,
    Load-Query,
    Load-Query-Complete,
    Load-Query-Failure,
    Reset,
    Reset-Complete,
    Reset-Failure,
    Restart,
    Message-Status-Query,
    Message-Status-Query-Complete,
    Message-Status-Query-Failure,
    Write-Replace,
    Write-Replace-Complete,
    Write-Replace-Failure
FROM SABP-PDU-Contents

    id-Error-Indication,
    id-Failure-Indication,
```

```

    id-Kill,
    id-Reset,
    id-Restart-Indication,
    id-Load-Status-Enquiry,
    id-Message-Status-Query,
    id-Write-Replace
FROM SABP-Constants;

-- *****
--
-- Interface Elementary Procedure Class
--
-- *****

SABP-ELEMENTARY-PROCEDURE ::= CLASS {
    &InitiatingMessage          ,
    &SuccessfulOutcome          OPTIONAL,
    &UnsuccessfulOutcome        OPTIONAL,
    &procedureCode              ProcedureCode UNIQUE,
    &criticality                 Criticality    DEFAULT ignore
}
WITH SYNTAX {
    INITIATING MESSAGE      &InitiatingMessage
    [SUCCESSFUL OUTCOME
&SuccessfulOutcome]
    [UNSUCCESSFUL OUTCOME  &UnsuccessfulOutcome]
    PROCEDURE CODE         &procedureCode
    [CRITICALITY           &criticality]
}

-- *****
--
-- Interface PDU Definition
--
-- *****

SABP-PDU ::= CHOICE {
    initiatingMessage  InitiatingMessage,
    successfulOutcome  SuccessfulOutcome,
    unsuccessfulOutcome UnsuccessfulOutcome,
    ...
}

InitiatingMessage ::= SEQUENCE {
    procedureCode  SABP-ELEMENTARY-PROCEDURE.&procedureCode    ( {SABP-ELEMENTARY-PROCEDURES} ),
    criticality    SABP-ELEMENTARY-PROCEDURE.&criticality        ( {SABP-ELEMENTARY-PROCEDURES}{@procedureCode} ),
    value          SABP-ELEMENTARY-PROCEDURE.&InitiatingMessage ( {SABP-ELEMENTARY-PROCEDURES}{@procedureCode} )
}

SuccessfulOutcome ::= SEQUENCE {
    procedureCode  SABP-ELEMENTARY-PROCEDURE.&procedureCode    ( {SABP-ELEMENTARY-PROCEDURES} ),
    criticality    SABP-ELEMENTARY-PROCEDURE.&criticality        ( {SABP-ELEMENTARY-PROCEDURES}{@procedureCode} ),
}

```

```

    value          SABP-ELEMENTARY-PROCEDURE.&SuccessfulOutcome    ({SABP-ELEMENTARY-PROCEDURES}{@procedureCode})
  }

UnsuccessfulOutcome ::= SEQUENCE {
  procedureCode    SABP-ELEMENTARY-PROCEDURE.&procedureCode      ({SABP-ELEMENTARY-PROCEDURES}),
  criticality      SABP-ELEMENTARY-PROCEDURE.&criticality          ({SABP-ELEMENTARY-PROCEDURES}{@procedureCode}),
  value           SABP-ELEMENTARY-PROCEDURE.&UnsuccessfulOutcome  ({SABP-ELEMENTARY-PROCEDURES}{@procedureCode})
}

-- *****
--
-- Interface Elementary Procedure List
--
-- *****

SABP-ELEMENTARY-PROCEDURES SABP-ELEMENTARY-PROCEDURE ::= {
  SABP-ELEMENTARY-PROCEDURES-CLASS-1 |
  SABP-ELEMENTARY-PROCEDURES-CLASS-2 ,
  ...
}

SABP-ELEMENTARY-PROCEDURES-CLASS-1 SABP-ELEMENTARY-PROCEDURE ::= {
  write-Replace      |
  kill               |
  load-Status-Enquiry |
  message-Status-Query |
  reset              ,
  ...
}

SABP-ELEMENTARY-PROCEDURES-CLASS-2 SABP-ELEMENTARY-PROCEDURE ::= {
  restart-Indication |
  failure-Indication |
  error-Indication   ,
  ...
}

write-Replace SABP-ELEMENTARY-PROCEDURE ::= {
  INITIATING MESSAGE  Write-Replace
  SUCCESSFUL OUTCOME  Write-Replace-Complete
  UNSUCCESSFUL OUTCOME Write-Replace-Failure
  PROCEDURE CODE      id-Write-Replace
  CRITICALITY        reject
}

kill SABP-ELEMENTARY-PROCEDURE ::= {
  INITIATING MESSAGE  Kill
  SUCCESSFUL OUTCOME  Kill-Complete
  UNSUCCESSFUL OUTCOME Kill-Failure
  PROCEDURE CODE      id-Kill
  CRITICALITY        reject
}

```

```
load-Status-Enquiry SABP-ELEMENTARY-PROCEDURE ::= {
  INITIATING MESSAGE  Load-Query
  SUCCESSFUL OUTCOME  Load-Query-Complete
  UNSUCCESSFUL OUTCOME  Load-Query-Failure
  PROCEDURE CODE      id-Load-Status-Enquiry
  CRITICALITY          reject
}

message-Status-Query SABP-ELEMENTARY-PROCEDURE ::= {
  INITIATING MESSAGE  Message-Status-Query
  SUCCESSFUL OUTCOME  Message-Status-Query-Complete
  UNSUCCESSFUL OUTCOME  Message-Status-Query-Failure
  PROCEDURE CODE      id-Message-Status-Query
  CRITICALITY          reject
}

reset SABP-ELEMENTARY-PROCEDURE ::= {
  INITIATING MESSAGE  Reset
  SUCCESSFUL OUTCOME  Reset-Complete
  UNSUCCESSFUL OUTCOME  Reset-Failure
  PROCEDURE CODE      id-Reset
  CRITICALITY          reject
}

restart-Indication SABP-ELEMENTARY-PROCEDURE ::= {
  INITIATING MESSAGE  Restart
  PROCEDURE CODE      id-Restart-Indication
  CRITICALITY          ignore
}

failure-Indication SABP-ELEMENTARY-PROCEDURE ::= {
  INITIATING MESSAGE  Failure
  PROCEDURE CODE      id-Failure-Indication
  CRITICALITY          ignore
}

error-Indication SABP-ELEMENTARY-PROCEDURE ::= {
  INITIATING MESSAGE  Error-Indication
  PROCEDURE CODE      id-Error-Indication
  CRITICALITY          ignore
}

END
```

END OF CHANGES

CHANGE REQUEST

25.419 CR 106 # rev **1** # Current version: **5.1.0**

For **HELP** on using this form, see bottom of this page or look at the pop-up text over the # symbols.

Proposed change affects: UICC apps# ME Radio Access Network Core Network

Title:	# Correction to the ASN.1 Coding: Criticality Information is missing from "Interface Elementary Procedure List"		
Source:	# RAN WG3		
Work item code:	# TEI	Date:	# 21/08/2002
Category:	# A Use <u>one</u> of the following categories: F (correction) A (corresponds to a correction in an earlier release) B (addition of feature), C (functional modification of feature) D (editorial modification) Detailed explanations of the above categories can be found in 3GPP TR 21.900 .	Release:	# Rel-5 Use <u>one</u> of the following releases: 2 (GSM Phase 2) R96 (Release 1996) R97 (Release 1997) R98 (Release 1998) R99 (Release 1999) Rel-4 (Release 4) Rel-5 (Release 5) Rel-6 (Release 6)

Reason for change:	# Currently within the ASN.1 coding - Section 9.3.2 – of 25.419 (all Releases), the criticality of all the actual procedures in this protocol has been omitted.
Summary of change:	# The appropriate Criticality has been included within the ASN.1 text to each procedure.
Consequences if not approved:	# In the event of an error situation, the ASN.1 coder will not be able to determine whether it should reject/ignore messages from a particular procedure as it does not have any information to adhere to. Impact Analysis: Impact assessment towards the previous version of the specification (same release): This CR has <u>isolated</u> impact on the previous version of the specification (same release) <u>because it changes the error handling of some procedures</u> for implementations <u>not aligned with this CR</u> . <u>The impact is considered isolated because it affects only Class 1 EPs.</u> <u>This CR has impact under protocol and functional of view.</u>

Clauses affected:	# 9.3.2
--------------------------	---------

Other specs	⌘	Y	N	Other core specifications	⌘ TS 25.419 Rel-99 (CR104), TS 25.419 Rel-4 (CR105)
		Y			
affected:			X	Test specifications	
			X	O&M Specifications	
Other comments:	⌘				

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9.3.2 Elementary Procedure Definitions

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--
-- Elementary Procedure definitions
--
-- *****

SABP-PDU-Descriptions {
itu-t (0) identified-organization (4) etsi (0) mobileDomain (0)
umts-Access (20) modules (3) sabp (3) version1 (1) sabp-PDU-Descriptions (0)}

DEFINITIONS AUTOMATIC TAGS ::=

BEGIN

-- *****
--
-- IE parameter types from other modules.
--
-- *****

IMPORTS
    Criticality,
    ProcedureCode
FROM SABP-CommonDataTypes

    Error-Indication,
    Failure,
    Kill,
    Kill-Complete,
    Kill-Failure,
    Load-Query,
    Load-Query-Complete,
    Load-Query-Failure,
    Reset,
    Reset-Complete,
    Reset-Failure,
    Restart,
    Message-Status-Query,
    Message-Status-Query-Complete,
    Message-Status-Query-Failure,
    Write-Replace,
    Write-Replace-Complete,
    Write-Replace-Failure
FROM SABP-PDU-Contents

    id-Error-Indication,
    id-Failure-Indication,
```

```

    id-Kill,
    id-Reset,
    id-Restart-Indication,
    id-Load-Status-Enquiry,
    id-Message-Status-Query,
    id-Write-Replace
FROM SABP-Constants;

-- *****
--
-- Interface Elementary Procedure Class
--
-- *****

SABP-ELEMENTARY-PROCEDURE ::= CLASS {
    &InitiatingMessage          ,
    &SuccessfulOutcome          OPTIONAL,
    &UnsuccessfulOutcome        OPTIONAL,
    &procedureCode              ProcedureCode UNIQUE,
    &criticality                 Criticality    DEFAULT ignore
}
WITH SYNTAX {
    INITIATING MESSAGE          &InitiatingMessage
    [SUCCESSFUL OUTCOME
    &SuccessfulOutcome]
    [UNSUCCESSFUL OUTCOME      &UnsuccessfulOutcome]
    PROCEDURE CODE             &procedureCode
    [CRITICALITY                &criticality]
}

-- *****
--
-- Interface PDU Definition
--
-- *****

SABP-PDU ::= CHOICE {
    initiatingMessage    InitiatingMessage,
    successfulOutcome     SuccessfulOutcome,
    unsuccessfulOutcome  UnsuccessfulOutcome,
    ...
}

InitiatingMessage ::= SEQUENCE {
    procedureCode    SABP-ELEMENTARY-PROCEDURE.&procedureCode    ({SABP-ELEMENTARY-PROCEDURES}),
    criticality      SABP-ELEMENTARY-PROCEDURE.&criticality        ({SABP-ELEMENTARY-PROCEDURES}{@procedureCode}),
    value           SABP-ELEMENTARY-PROCEDURE.&InitiatingMessage  ({SABP-ELEMENTARY-PROCEDURES}{@procedureCode})
}

SuccessfulOutcome ::= SEQUENCE {
    procedureCode    SABP-ELEMENTARY-PROCEDURE.&procedureCode    ({SABP-ELEMENTARY-PROCEDURES}),
    criticality      SABP-ELEMENTARY-PROCEDURE.&criticality        ({SABP-ELEMENTARY-PROCEDURES}{@procedureCode}),
}

```

```

    value          SABP-ELEMENTARY-PROCEDURE.&SuccessfulOutcome    ({SABP-ELEMENTARY-PROCEDURES}{@procedureCode})
  }

UnsuccessfulOutcome ::= SEQUENCE {
  procedureCode    SABP-ELEMENTARY-PROCEDURE.&procedureCode      ({SABP-ELEMENTARY-PROCEDURES}),
  criticality      SABP-ELEMENTARY-PROCEDURE.&criticality         ({SABP-ELEMENTARY-PROCEDURES}{@procedureCode}),
  value           SABP-ELEMENTARY-PROCEDURE.&UnsuccessfulOutcome  ({SABP-ELEMENTARY-PROCEDURES}{@procedureCode})
}

-- *****
--
-- Interface Elementary Procedure List
--
-- *****

SABP-ELEMENTARY-PROCEDURES SABP-ELEMENTARY-PROCEDURE ::= {
  SABP-ELEMENTARY-PROCEDURES-CLASS-1 |
  SABP-ELEMENTARY-PROCEDURES-CLASS-2 ,
  ...
}

SABP-ELEMENTARY-PROCEDURES-CLASS-1 SABP-ELEMENTARY-PROCEDURE ::= {
  write-Replace      |
  kill               |
  load-Status-Enquiry |
  message-Status-Query |
  reset              ,
  ...
}

SABP-ELEMENTARY-PROCEDURES-CLASS-2 SABP-ELEMENTARY-PROCEDURE ::= {
  restart-Indication |
  failure-Indication |
  error-Indication   ,
  ...
}

write-Replace SABP-ELEMENTARY-PROCEDURE ::= {
  INITIATING MESSAGE  Write-Replace
  SUCCESSFUL OUTCOME  Write-Replace-Complete
  UNSUCCESSFUL OUTCOME Write-Replace-Failure
  PROCEDURE CODE      id-Write-Replace
  CRITICALITY        reject
}

kill SABP-ELEMENTARY-PROCEDURE ::= {
  INITIATING MESSAGE  Kill
  SUCCESSFUL OUTCOME  Kill-Complete
  UNSUCCESSFUL OUTCOME Kill-Failure
  PROCEDURE CODE      id-Kill
  CRITICALITY        reject
}

```

```
load-Status-Enquiry SABP-ELEMENTARY-PROCEDURE ::= {
  INITIATING MESSAGE  Load-Query
  SUCCESSFUL OUTCOME  Load-Query-Complete
  UNSUCCESSFUL OUTCOME  Load-Query-Failure
  PROCEDURE CODE      id-Load-Status-Enquiry
  CRITICALITY          reject
}

message-Status-Query SABP-ELEMENTARY-PROCEDURE ::= {
  INITIATING MESSAGE  Message-Status-Query
  SUCCESSFUL OUTCOME  Message-Status-Query-Complete
  UNSUCCESSFUL OUTCOME  Message-Status-Query-Failure
  PROCEDURE CODE      id-Message-Status-Query
  CRITICALITY          reject
}

reset SABP-ELEMENTARY-PROCEDURE ::= {
  INITIATING MESSAGE  Reset
  SUCCESSFUL OUTCOME  Reset-Complete
  UNSUCCESSFUL OUTCOME  Reset-Failure
  PROCEDURE CODE      id-Reset
  CRITICALITY          reject
}

restart-Indication SABP-ELEMENTARY-PROCEDURE ::= {
  INITIATING MESSAGE  Restart
  PROCEDURE CODE      id-Restart-Indication
  CRITICALITY          ignore
}

failure-Indication SABP-ELEMENTARY-PROCEDURE ::= {
  INITIATING MESSAGE  Failure
  PROCEDURE CODE      id-Failure-Indication
  CRITICALITY          ignore
}

error-Indication SABP-ELEMENTARY-PROCEDURE ::= {
  INITIATING MESSAGE  Error-Indication
  PROCEDURE CODE      id-Error-Indication
  CRITICALITY          ignore
}

END
```

END OF CHANGES
