3GPP TSG CN Plenary Meeting #19
12th - 14th March 2003. Birmingham, U.K.

NP-030086

Source:	**CN2**
Title:	**CRs on R99 Work Item CAMEL3, CR Pack 2**
Agenda item:	**7.1**
Document for:	**APROVAL**

Introduction:

This document contains a CR on R99 WI CAMEL3 (TS 29.078) and corresponding mirror CR. These CRs have been agreed by TSG CN WG2 and are forwarded to TSG CN Plenary meeting #19 for approval.

Spec	CR	Rev	Doc-2nd-Level	Phase	Subject	Cat	Ver_C
29.078	299	1	N2-030100	R99	ASN.1 syntax basic corrections	F	3.14.0
29.078	300		N2-030035	Rel-4	ASN.1 syntax basic corrections	A	4.7.0

CR-Form-v7

CHANGE REQUEST

| ⌘ | **29.078** CR **300** | ⌘**rev** | | ⌘ | Current version: | **4.7.0** | ⌘ |

*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 **X**

Title: ⌘	ASN.1 syntax basic corrections	
Source: ⌘	Alcatel	
Work item code: ⌘	CAMEL3	***Date:*** ⌘ 29/01/2003
Category: ⌘	**A**	***Release:*** ⌘ Rel-4

Use one 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.

Use one 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: ⌘	Some small syntactic corrections of the current Rel-4 29.078 ASN.1 modules; like spelling mistakes and superflousious comma are necessary to have correct ASN.1 modules.
Summary of change: ⌘	Small syntax corrections
Consequences if not approved: ⌘	Syntax errors and spelling errors in the ASN.1 which the implementers must fix manually.

Clauses affected: ⌘	ASN.1 modules of clauses 5.6, 6.2.2.1 and 7.1.

	Y	N	
Other specs affected: ⌘		X	Other core specifications ⌘
		X	Test specifications
		X	O&M Specifications

Other comments: ⌘	3GPP TSG-CN#18 New Orleans, USA, Draft Meeting Report v1.0.0 is stating "ASN.1 CRs which correct errors preventing proper compilation are considered essential corrections and allowable.". So CN2 may reconsider this CR.

— First modified module —

5.6   Object IDentifiers (IDs)

```
CAP-object-identifiers {ccitt(0) identified-organization(4) etsi(0) mobileDomain(0)
umts-network(1) modules(3) cap-object-identifiers(100) version3(2)}


DEFINITIONS ::= BEGIN

-- This module assigns object identifiers for Modules, Packages, Contracts and AC's
-- used by CAP

-- For Modules from TC, ROS,
tc-Messages                     OBJECT IDENTIFIER ::=
    {itu-tccitt recommendation q 773 modules(2) messages(1) version3(3)}
tc-NotationExtensions           OBJECT IDENTIFIER ::=
    {itu-tccitt recommendation q 775 modules(2) notation-extension (4) version1(1)}
ros-InformationObjects          OBJECT IDENTIFIER ::=
    {joint-iso-itu-tccitt remote-operations(4) informationObjects(5) version1(0)}

...

END
```

— Next modified module —

6.2.2.1   gsmSRF/gsmSCF ASN.1 modules

```
CAP-gsmSCF-gsmSRF-pkgs-contracts-acs {ccitt(0) identified-organization(4) etsi(0) mobileDomain(0)
umts-network(1) modules(3) cap-gsmSCF-gsmSRF-pkgs-contracts-acs(104) version3(2)}

DEFINITIONS ::= BEGIN

-- This module specifies the Operation Packages, Contracts, Application Contexts
-- and Abstract Syntaxes used for the gsmSRF – gsmSCF interface, for the control of
-- circuit switched calls.

-- The table in section 2.1 lists the specifications that contain the modules
-- that are used by CAP.

IMPORTS

    PARAMETERS-BOUND,
    cAPSpecificBoundSet
FROM CAP-classes classes

    CONTRACT,
    OPERATION-PACKAGE,
    OPERATION
FROM Remote-Operations-Information-Objects ros-InformationObjects

    TCMessage {}
FROM TCAPMessages tc-Messages

    APPLICATION-CONTEXT,
    dialogue-abstract-syntax
FROM TC-Notation-Extensions tc-NotationExtensions

    playAnnouncement {},
    promptAndCollectUserInformation {},
    specializedResourceReport
FROM CAP-gsmSCF-gsmSRF-ops-args gsmSCF-gsmSRF-Operations

    activityTest,
    cancel ,
    assistRequestInstructions {}
FROM CAP-gsmSSF-gsmSCF-ops-args gsmSSF-gsmSCF-Operations

    gsmSRF-scfActivationOfAssistPackage {}
FROM CAP-gsmSSF-gsmSCF-pkgs-contracts-acs gsmSSF-gsmSCF-Protocol

    id-package-specializedResourceControl,
    id-package-activityTest,
    id-ac-gsmSRF-gsmSCF,
    id-contract-gsmSRF-gsmSCF,
    id-package-gsmSRF-scfCancel,
    id-as-basic-gsmSRF-gsmSCF,
    classes,
    ros-InformationObjects,
    tc-Messages,
```

```
    tc-NotationExtensions,
    gsmSCF-gsmSRF-Operations,
    gsmSSF-gsmSCF-Operations,
    gsmSSF-gsmSCF-Protocol
FROM CAP-object-identifiers {ccitt(0) identified-organization(4) etsi(0) mobileDomain(0)
umts-network(1) modules(3)r cap-object-identifiers(100) version3(2)}
-- CR Editor's note: the deleted 'r' above is hidden text in the specification.

;

-- Application Contexts

gsmSRF-gsmSCF-ac APPLICATION-CONTEXT ::= {
    CONTRACT                    gsmSRF-gsmSCF-contract
    DIALOGUE MODE               structured
    TERMINATION                 basic
    ABSTRACT SYNTAXES           {dialogue-abstract-syntax |
                                gsmSRF-gsmSCF-abstract-syntax}
    APPLICATION CONTEXT NAME    id-ac-gsmSRF-gsmSCF}

-- Contracts

gsmSRF-gsmSCF-contract CONTRACT ::= {
    INITIATOR CONSUMER OF
            {gsmSRF-scfActivationOfAssistPackage {cAPSpecificBoundSet}}
    RESPONDER CONSUMER OF
            {specializedResourceControlPackage {cAPSpecificBoundSet}|
            activityTestPackage |
            gsmSRF-scfCancelPackage}
    ID      id-contract-gsmSRF-gsmSCF}

-- Operation Packages

specializedResourceControlPackage {PARAMETERS-BOUND : bound} OPERATION-PACKAGE ::= {
    CONSUMER INVOKES    {playAnnouncement {bound} |
                        promptAndCollectUserInformation {bound}}
    SUPPLIER INVOKES    {specializedResourceReport}
    ID                  id-package-specializedResourceControl}

gsmSRF-scfCancelPackage OPERATION-PACKAGE ::= {
    CONSUMER INVOKES    {cancel}
    ID                  id-package-gsmSRF-scfCancel}

aActivityTestPackage        OPERATION-PACKAGE ::= {
    CONSUMER INVOKES    {activityTest}
    ID                  id-package-activityTest}

-- Abstract Syntaxes

gsmSRF-gsmSCF-abstract-syntax ABSTRACT-SYNTAX ::= {
    BASIC-gsmSRF-gsmSCF-PDUs
    IDENTIFIED BY   id-as-basic-gsmSRF-gsmSCF}

BASIC-gsmSRF-gsmSCF-PDUs ::= TCMessage {{GsmSRFgsmSCFInvokable},{GsmSRFgsmSCFReturnable}}

GsmSRFgsmSCFInvokable OPERATION ::= {
        activityTest |
        assistRequestInstructions {cAPSpecificBoundSet}|
        cancel |
        playAnnouncement {cAPSpecificBoundSet}|
        promptAndCollectUserInformation {cAPSpecificBoundSet}|
        specializedResourceReport
        }

GsmSRFgsmSCFReturnable OPERATION ::= {
        activityTest |
        assistRequestInstructions {cAPSpecificBoundSet}|
        cancel |
        playAnnouncement {cAPSpecificBoundSet}|
        promptAndCollectUserInformation {cAPSpecificBoundSet}
        }

END
```

— Next modified module —

7.1   SMS operations and arguments

```
CAP-SMS-ops-args {ccitt(0) identified-organization(4) etsi(0) mobileDomain(0) umts-network(1)
modules(3) cap-SMS-ops-args(105) version3(2)}

DEFINITIONS IMPLICIT TAGS::= BEGIN

-- This module contains the operations and operation arguments used for the
-- gsmSSF/gprsSSF – gsmSCF interface, for the control of MO-SMS.
```

```
-- The table in section 2.1 lists the specifications that contain the modules
-- that are used by CAP.

IMPORTS

    errortypes,
    datatypes,
    operationcodes,
    classes,
    ros-InformationObjects,
    tc-Messages
FROM CAP-object-identifiers {ccitt(0) identified-organization(4) etsi(0) mobileDomain(0)
umts-network(1) modules(3) cap-object-identifiers(100) version3(2)}

    OPERATION
FROM Remote-Operations-Information-Objects ros-InformationObjects

    ServiceKey
FROM CS1-DataTypes {ccitt(0) identified-organization(4) etsi(0) inDomain(1) in-network(1)
modules(0) cs1-datatypes(2) version1(0)}

    MiscCallInfo
FROM CS2-datatypes {ccitt(0) identified-organization(4) etsi(0) inDomain(1) in-network(1)
cs2(20) modules(0) in-cs2-datatypes (0) version1(0)}

    IMSI,
    ISDN-AddressString
FROM MAP-CommonDataTypes {ccitt(0) identified-organization(4) etsi(0) mobileDomain(0)
gsm-Network(1) modules(3) map-CommonDataTypes(18) version6(6)}

    LocationInformation
FROM MAP-MS-DataTypes {ccitt(0) identified-organization(4) etsi(0) mobileDomain(0)
gsm-Network(1) modules(3) map-MS-DataTypes(11) version6(6)}

    PARAMETERS-BOUND
FROM CAP-classes classes

    opcode-connectSMS,
    opcode-continueSMS,
    opcode-eventReportSMS,
    opcode-furnishChargingInformationSMS,
    opcode-initialDPSMS,
    opcode-releaseSMS,
    opcode-requestReportSMSEvent,
    opcode-resetTimerSMS
FROM CAP-operationcodes operationcodes

    CalledPartyBCDNumber {},
    EventSpecificInformationSMS,
    EventTypeSMS,
    Extensions {},
    FCISMSBillingChargingCharacteristics,
    LocationInformationGPRS,
    RPCause,
    SMSEvent,
    TimeAndTimezone {},
    TimerID,
    TimerValue,
    TPDataCodingScheme,
    TPProtocolIdentifier,
    TPShortMessageSubmissionInfo,
    TPValidityPeriod
FROM CAP-datatypes datatypes

    missingCustomerRecord,
    missingParameter,
    parameterOutOfRange,
    systemFailure,
    taskRefused,
    unexpectedComponentSequence,
    unexpectedDataValue,
    unexpectedParameter
FROM CAP-errortypes errortypes

    CallReferenceNumber,
FROM MAP-CH-DataTypes {ccitt(0) identified-organization(4) etsi(0) mobileDomain(0)
gsm-Nnetwork(1) modules(3) map-CH-DataTypes(13) version6(6)}

;

...

END
```

— End of CR —

CHANGE REQUEST

| ⌘ | **29.078** CR **299** | ⌘**rev** | **1** | ⌘ | Current version: | **3.14.0** | ⌘ |

*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 **X**

Title:	⌘	ASN.1 syntax basic corrections
Source:	⌘	Alcatel

Work item code:	⌘	CAMEL3		*Date:*	⌘	10/02/2003

Category:	⌘	**F (essential correction)**		*Release:*	⌘	R99

	Use <u>one</u> of the following categories:	*Use <u>one</u> 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	*Rel-4 (Release 4)*
	be found in 3GPP TR 21.900.	*Rel-5 (Release 5)*
		Rel-6 (Release 6)

Reason for change:	⌘	Some small syntactic corrections of the current Rel-99 29.078 ASN.1 modules; like spelling mistakes and superflousious comma are necessary to have correct ASN.1 modules.

Summary of change:	⌘	Small syntax corrections

Consequences if not approved:	⌘	Syntax errors and spelling errors in the ASN.1 which the implementers must fix manually.

Clauses affected:	⌘	ASN.1 modules of clauses 5.6, 6.2.2.1 and 7.1.

		Y	**N**		
Other specs affected:	⌘		X	Other core specifications	⌘
			X	Test specifications	
			X	O&M Specifications	

Other comments:	⌘	- 3GPP TSG-CN#18 New Orleans, USA, Draft Meeting Report v1.0.0 is stating "ASN.1 CRs which correct errors preventing proper compilation are considered essential corrections and allowable.". So CN2 may reconsider this CR. - Please note that also 29.278 v5.1.0 is using the 29.078 v3.14.0 ASN.1 modules as well.

— First modified module —

5.6   Object IDentifiers (IDs)

```
CAP-object-identifiers {ccitt(0) identified-organization(4) etsi(0) mobileDomain(0)
umts-network(1) modules(3) cap-object-identifiers(100) version3(2)}


DEFINITIONS ::= BEGIN

-- This module assigns object identifiers for Modules, Packages, Contracts and AC's
-- used by CAP

-- For Modules from TC, ROS,
tc-Messages                      OBJECT IDENTIFIER ::=
    {itu-t̶c̶c̶i̶t̶t̶ recommendation q 773 modules(2) messages(1) version3(3)}
tc-NotationExtensions            OBJECT IDENTIFIER ::=
    {itu-t̶c̶c̶i̶t̶t̶ recommendation q 775 modules(2) notation-extension (4) version1(1)}
ros-InformationObjects           OBJECT IDENTIFIER ::=
    {joint-iso-itu-t̶c̶c̶i̶t̶t̶ remote-operations(4) informationObjects(5) version1(0)}

...


END
```

— Next modified module —

6.2.2.1   gsmSRF/gsmSCF ASN.1 modules

```
CAP-gsmSCF-gsmSRF-pkgs-contracts-acs {ccitt(0) identified-organization(4) etsi(0) mobileDomain(0)
umts-network(1) modules(3) cap-gsmSCF-gsmSRF-pkgs-contracts-acs(104) version3(2)}

DEFINITIONS ::= BEGIN

-- This module specifies the Operation Packages, Contracts, Application Contexts
-- and Abstract Syntaxes used for the gsmSRF - gsmSCF interface, for the control of
-- circuit switched calls.

-- The table in section 2.1 lists the specifications that contain the modules
-- that are used by CAP.

IMPORTS

    PARAMETERS-BOUND,
    cAPSpecificBoundSet
FROM CAP-classes classes

    CONTRACT,
    OPERATION-PACKAGE,
    OPERATION
FROM Remote-Operations-Information-Objects ros-InformationObjects

    TCMessage {}
FROM TCAPMessages tc-Messages

    APPLICATION-CONTEXT,
    dialogue-abstract-syntax
FROM TC-Notation-Extensions tc-NotationExtensions

    playAnnouncement {},
    promptAndCollectUserInformation {},
    specializedResourceReport
FROM CAP-gsmSCF-gsmSRF-ops-args gsmSCF-gsmSRF-Operations

    activityTest,
    cancel ,
    assistRequestInstructions {}
FROM CAP-gsmSSF-gsmSCF-ops-args gsmSSF-gsmSCF-Operations

    gsmSRF-scfActivationOfAssistPackage {}
FROM CAP-gsmSSF-gsmSCF-pkgs-contracts-acs gsmSSF-gsmSCF-Protocol

    id-package-specializedResourceControl,
    id-package-activityTest,
    id-ac-gsmSRF-gsmSCF,
    id-contract-gsmSRF-gsmSCF,
    id-package-gsmSRF-scfCancel,
    id-as-basic-gsmSRF-gsmSCF,
    classes,
    ros-InformationObjects,
    tc-Messages,
```

```
    tc-NotationExtensions,
    gsmSCF-gsmSRF-Operations,
    gsmSSF-gsmSCF-Operations,
    gsmSSF-gsmSCF-Protocol
FROM CAP-object-identifiers {ccitt(0) identified-organization(4) etsi(0) mobileDomain(0)
umts-network(1) modules(3)r cap-object-identifiers(100) version3(2)}
-- CR Editor's note: the deleted 'r' above is hidden text in the specification.

;

-- Application Contexts

gsmSRF-gsmSCF-ac APPLICATION-CONTEXT ::= {
    CONTRACT                    gsmSRF-gsmSCF-contract
    DIALOGUE MODE               structured
    TERMINATION                 basic
    ABSTRACT SYNTAXES           {dialogue-abstract-syntax |
                                gsmSRF-gsmSCF-abstract-syntax}
    APPLICATION CONTEXT NAME    id-ac-gsmSRF-gsmSCF}

-- Contracts

gsmSRF-gsmSCF-contract CONTRACT ::= {
    INITIATOR CONSUMER OF
            {gsmSRF-scfActivationOfAssistPackage {cAPSpecificBoundSet}}
    RESPONDER CONSUMER OF
            {specializedResourceControlPackage {cAPSpecificBoundSet}|
            activityTestPackage |
            gsmSRF-scfCancelPackage}
    ID      id-contract-gsmSRF-gsmSCF}

-- Operation Packages

specializedResourceControlPackage {PARAMETERS-BOUND : bound} OPERATION-PACKAGE ::= {
    CONSUMER INVOKES    {playAnnouncement {bound} |
                        promptAndCollectUserInformation {bound}}
    SUPPLIER INVOKES    {specializedResourceReport}
    ID                  id-package-specializedResourceControl}

gsmSRF-scfCancelPackage OPERATION-PACKAGE ::= {
    CONSUMER INVOKES    {cancel}
    ID                  id-package-gsmSRF-scfCancel}

aActivityTestPackage        OPERATION-PACKAGE ::= {
    CONSUMER INVOKES    {activityTest}
    ID                  id-package-activityTest}

-- Abstract Syntaxes

gsmSRF-gsmSCF-abstract-syntax ABSTRACT-SYNTAX ::= {
    BASIC-gsmSRF-gsmSCF-PDUs
    IDENTIFIED BY   id-as-basic-gsmSRF-gsmSCF}

BASIC-gsmSRF-gsmSCF-PDUs ::= TCMessage {{GsmSRFgsmSCFInvokable},{GsmSRFgsmSCFReturnable}}

GsmSRFgsmSCFInvokable OPERATION ::= {
        activityTest |
        assistRequestInstructions {cAPSpecificBoundSet}|
        cancel |
        playAnnouncement {cAPSpecificBoundSet}|
        promptAndCollectUserInformation {cAPSpecificBoundSet}|
        specializedResourceReport
        }

GsmSRFgsmSCFReturnable OPERATION ::= {
        activityTest |
        assistRequestInstructions {cAPSpecificBoundSet}|
        cancel |
        playAnnouncement {cAPSpecificBoundSet}|
        promptAndCollectUserInformation {cAPSpecificBoundSet}
        }

END
```

— Next modified module —

7.1   SMS operations and arguments

```
CAP-SMS-ops-args {ccitt(0) identified-organization(4) etsi(0) mobileDomain(0) umts-network(1)
modules(3) cap-SMS-ops-args(105) version3(2)}

DEFINITIONS IMPLICIT TAGS::= BEGIN

-- This module contains the operations and operation arguments used for the
-- gsmSSF/gprsSSF – gsmSCF interface, for the control of MO-SMS.
```

```
-- The table in section 2.1 lists the specifications that contain the modules
-- that are used by CAP.

IMPORTS

    errortypes,
    datatypes,
    operationcodes,
    classes,
    ros-InformationObjects,
    tc-Messages
FROM CAP-object-identifiers {ccitt(0) identified-organization(4) etsi(0) mobileDomain(0)
umts-network(1) modules(3) cap-object-identifiers(100) version3(2)}

    OPERATION
FROM Remote-Operations-Information-Objects ros-InformationObjects

    ServiceKey
FROM CS1-DataTypes {ccitt(0) identified-organization(4) etsi(0) inDomain(1) in-network(1)
modules(0) cs1-datatypes(2) version1(0)}

    MiscCallInfo
FROM CS2-datatypes {ccitt(0) identified-organization(4) etsi(0) inDomain(1) in-network(1)
cs2(20) modules(0) in-cs2-datatypes (0) version1(0)}

    IMSI,
    ISDN-AddressString
FROM MAP-CommonDataTypes {ccitt(0) identified-organization(4) etsi(0) mobileDomain(0)
gsm-Network(1) modules(3) map-CommonDataTypes(18) version6(6)}

    LocationInformation
FROM MAP-MS-DataTypes {ccitt(0) identified-organization(4) etsi(0) mobileDomain(0)
gsm-Network(1) modules(3) map-MS-DataTypes(11) version6(6)}

    PARAMETERS-BOUND
FROM CAP-classes classes

    opcode-connectSMS,
    opcode-continueSMS,
    opcode-eventReportSMS,
    opcode-furnishChargingInformationSMS,
    opcode-initialDPSMS,
    opcode-releaseSMS,
    opcode-requestReportSMSEvent,
    opcode-resetTimerSMS
FROM CAP-operationcodes operationcodes

    CalledPartyBCDNumber {},
    EventSpecificInformationSMS,
    EventTypeSMS,
    Extensions {},
    FCISMSBillingChargingCharacteristics,
    LocationInformationGPRS,
    RPCause,
    SMSEvent,
    TimeAndTimezone {},
    TimerID,
    TimerValue,
    TPDataCodingScheme,
    TPProtocolIdentifier,
    TPShortMessageSubmissionInfo,
    TPValidityPeriod
FROM CAP-datatypes datatypes

    missingCustomerRecord,
    missingParameter,
    parameterOutOfRange,
    systemFailure,
    taskRefused,
    unexpectedComponentSequence,
    unexpectedDataValue,
    unexpectedParameter
FROM CAP-errortypes errortypes

    CallReferenceNumber,
FROM MAP-CH-DataTypes {ccitt(0) identified-organization(4) etsi(0) mobileDomain(0)
gsm-Network(1) modules(3) map-CH-DataTypes(13) version6(6)}

;

...

END
```

— End of CR —