

SmsSubmit (QSIG)	SmsSubmit (GSM)
Calling Party Number	RP-Originating-Address (RP-OA) 1 Octet Address-Length 1 Octet Type-of-Address 1-n Octet Address-Value
Called Party Number	RP-Destination-Address (RP-DA) –SCA see RP-OA
SmsSubmitArg	
DestinationAddress	TP-Destination-Address (TP-DA) see RP-OA
OriginatingAddress	RP-Originating-Address (RP-OA) see RP-OA
MessageReference	TP-Message-Reference (TP-MR) 1 Octet (0..255)
SmsSubmitParameter	
ProtocolIdentifier	TP-Protocol-Identifier (TP-PID) 1 Octet section 9.2.3.9 GSM 03.40
ValidityPeriod	TP-Valitiy-Period (TP-VP)
ValidityPeriodRel	1 Octet
ValidityPeriodAbs	7 Octets
ValidityPeriodEnh	7 Octets
singleShotSM	
enhanceVP	
validityPeriodRel	relative case, see above
validityPeriodSec	0..255 seconds
validityPeriodSemi	as Service-Centre-Time-Stamp
StatusReportRequest	TP-Status-Report-Request (TP-SRR) 1 Bit
ReplyPath	TP-Reply-Path (TP-RP) 1 Bit
RejectDuplicates	TP-Reject-Duplicates (TP-RD) 1 Bit
UserData	TP-User-Data (TP-UD)
UserDataHeader	
UserDataHeaderChoice{	

smscControlParameterHeader	IEI SMSC Control Parameter
	1 Octet
concatenated8BitSMHeader	IEI Concatenated SM, 8-bit Reference
concatenated8BitSMReferenceNumber	1 Octet
maximumNumberOf8BitSMInConcatenatedSM	1 Octet
sequenceNumberOf8BitSM	1 Octet
concatenated16BitSMHeader	IEI Concatenated SM, 16-bit Reference
concatenated16BitSMReferenceNumber	2 Octet
maximumNumberOf16BitSMInConcatenatedSM	1 Octet
sequenceNumberOf16BitSM	1 Octet
applicationPort8BitHeader	IEI Application port addressing scheme
destination8BitPort	1 Octet
originator8BitPort	1 Octet
applicationPort16BitHeader	IEI Application port addressing scheme
destination16BitPort	2 Octet
originator16BitPort	2 Octet
dataHeaderSourceIndicator	1 Octet
OriginalSender	
OriginalReceiver	
SMSC}	
wirelessControlHeader	1-n Octet(s)
GenericUserValue	
parameterValue	
genericUserData	
Class	TP-Data-Coding-Scheme (TP-DCS) 2 Bit
Compressed	1 Bit
ShortMessageText CHOICE{	2 Bit
IA5coded	
OctetCoded	
UniCoded	
compressedCoded}	
ArgumentExtension CHOICE{	
Extension	
SEQUENCE OF EXTENSION}	

SmsDeliver (QSIG)	SmsDeliver (GSM)
<i>Calling Party Number</i>	RP-Originating-Address (RP-OA) - SCA 1 Octet Address-Length 1 Octet Type-of-Address 1-n Octet Address-Value
<i>Called Party Number</i>	RP-Destination-Address (RP-DA) see RP-OA
SmsDeliverArg	
OriginatingAddress	TP-Originating-Address (TP-OA) see RP-OA
DestinationAddress	TP-Destination-Address (TP-DA) see RP-OA
<i>OriginatingName</i>	
SmDeliverParameter	
ProtocolIdentifier	TP-Protocol-Identifier (TP-PID)
ServiceCentreTimeStamp	TP-Service-Centre-Time-Stamp (TP-SCTS)
Priority	RP-Priority-Request (RP-PRI)
MoreMessagesToSend	TP-More-Messages-To-Send (TP-MMS)
StatusReportIndication	TP-Status-Report-Indication (TP-SRI)
ReplyPath	TP-Reply-Path (TP-RP)
UserData	TP-User-Data (TP-UD)
UserDataHeader	
UserDataHeaderChoice{	
smscControlParameterHeader	1 Octet
concatenated8BitSMHeader	
concatenated8BitSMReferenceNumber	
maximumNumberOf8BitSMInConcatenatedSM	
sequenceNumberOf8BitSM	
concatenated16BitSMHeader	
concatenated16BitSMReferenceNumber	
maximumNumberOf16BitSMInConcatenatedSM	
sequenceNumberOf16BitSM	
applicationPort8BitHeader	
destination8BitPort	
originator8BitPort	
applicationPort16BitHeader	

destination16BitPort	
originator16BitPort	
dataHeaderSourceIndicator	
OriginalSender	
OriginalReceiver	
SMSC}	
wirelessControlHeader	
GenericUserValue	
parameterValue	
genericUserData	
Class	TP-Data-Coding-Scheme (TP-DCS)
Compressed	
ShortMessageText CHOICE{	
iA5coded	
octetCoded	
uniCoded	
compressedCoded}	
argumentExtension CHOICE{	
Extension	
SEQUENCE OF EXTENSION}	

SmsStatusReport (QSIG)	SmsStatusReport (GSM)
Calling Party Number	RP-Originating-Address (RP-OA) - SCA 1 Octet Address-Length 1 Octet Type-of-Address 1-n Octet Address-Value
Called Party Number	RP-Destination-Address (RP-DA) see RP-OA
SmsStatusReportArg	
MessageReference	TP-Message-Reference (TP-MR)
ServiceCentreTimeStamp	TP-Service-Centre-Time-Stamp (TP-SCTS)
DischargeTime	TP-Discharge-Time (TP-DT)
RecipientAddress	TP-Recipient-Address (TP-RA)
<i>RecipientName</i>	
<i>DestinationAddress</i>	
Status	TP-Status (TP-ST)
priority	RP-Priority-Request (RP-PRI)
MoreMessagesToSend	TP-More-Messages-To-Send (TP-MMS)
StatusReportQualifier	TP-Status-Report-Qualifier (TP-SRQ)
ProtocolIdentifier	TP-Protocol-Identifier (TP-PID)
UserData	TP-User-Data (TP-UD)
UserDataHeader	
UserDataHeaderChoice{	
smscControlParameterHeader	1 Octet
concatenated8BitSMHeader	
concatenated8BitSMReferenceNumber	
maximumNumberOf8BitSMInConcatenatedSM	
sequenceNumberOf8BitSM	
concatenated16BitSMHeader	
concatenated16BitSMReferenceNumber	
maximumNumberOf16BitSMInConcatenatedSM	
sequenceNumberOf16BitSM	
applicationPort8BitHeader	
destination8BitPort	
originator8BitPort	
applicationPort16BitHeader	

destination16BitPort	
originator16BitPort	
dataHeaderSourceIndicator	
OriginalSender	
OriginalReceiver	
SMSC}	
wirelessControlHeader	
GenericUserValue	
parameterValue	
genericUserData	
Class	TP-Data-Coding-Scheme (TP-DCS)
Compressed	
ShortMessageText CHOICE{	
IA5coded	
OctetCoded	
UniCoded	
<i>compressedCoded</i> }	
<i>ArgumentExtension CHOICE{</i>	
<i>Extension,</i>	
<i>Sequence of Extension</i> }	

SmsCommand (QSIG)	SmsCommand (GSM)
SmsCommandArg	
destinationAddress	TP-Destination-Address (TP-DA)
messageReference	TP-Message-Reference (TP-MR)
messageNumber	TP-Message-Number (TP-MN)
protocolIdentifier	TP-Protocol-Identifier (TP-PID)
commandType	TP-Command-Type (TP-CT)
commandData	TP-Command-Data (TP-CD)
statusReportRequest	TP-Status-Report-Reqquest (TP-SRR)
argumentExtension CHOICE{	
Extension,	
Sequence of Extension}	

SmsDeliverReport – Error (QSIG)	SmsDeliverReport – Error (GSM)
SmsDeliverError SEQUENCE{	
failureCause	Failure-Cause
protocolIdentifier	Protocol-Identifier
userData	Data-Coding-Scheme
	User-Data

SmsSubmitReport – Error (QSIG)	SmsSubmitReport – Error (GSM)
SmsSubmitError SEQUENCE{	
failureCause	Failure-Cause
serviceCentreTimeStamp	Service-Centre-Time-Stamp
protocolIdentifier	Protocol-Identifier
userData	Data-Coding-Scheme
	User-Data

SmsDeliverReport – Ack (QSIG)	SmsDeliverReport – Ack (GSM)
SmsDeliverResponseChoice{	
<i>Null,</i>	
ProtocolIdentifier,	TP-Protocol-Identifier (TP-PID)
userData,	TP-User-Data (TP-DU)
<i>Sequence of{</i>	
<i>ProtocolIdentifier,</i>	
<i>userData}}</i>	
<i>argumentExtension</i>	

SmsSubmitReport – Ack (QSIG)	SmsSubmitReport – Ack (GSM)
SmsSubmitRes{	
serviceCentreTimeStamp,	TP-Service-Centre-Time-Stamp (TP-SCTS)
protocolIdentifier,	TP-Protocol-Identifier (TP-PID)
userData,	TP-User-Data (TP-DU)
<i>argumentExtension}</i>	

FACILITY		
Protocol discriminator (1 Octet)	M	0000 1000 ITU-T Q.931 user-network call control message
Call Reference	M	see 11.2 ECMA-165
Message Type	M	0110 0010 Facility 0110 1110 Notify
Facility	M	0001 1100 Facility
		Length of information element contents
		1001 1111 Protocol Profile: Networking Extensions
		Network Facility Extension (NFE) – see below
		Network Protocol Profile – see below
		Interpretation APDU (IAPDU) – see below
		Service APDU – see 11.3.3.4/5/6 ECMA-165
Notification Indicator	O	0010 0111 IEI
		Length of IE contents
		Notification Description
		ASN.1-encoded Notification Data Structure
Calling Party Number	O	0110 1100 IEI
		Length of information element contents
		Type of Number Numbering Plan identification
		Presentation Indicator Screening Indicator
		Number digits
Called Party Number	O	0111 0000 IEI
		Length of IE contents
		Type of number Numbering Plan identification
		Number digits

```

Network-Facility-Extension
    {iso(1) standard(0) pss1-generic-procedures(11582) network-facility-extension(2)}
DEFINITIONS ::=
BEGIN
EXPORTS      NetworkFacilityExtension;
IMPORTS      PartyNumber FROM Addressing-Data-Elements
    {iso(1) standard(0) pss1-generic-procedures(11582) addressing-data-elements(9)}
NetworkFacilityExtension ::= [10] IMPLICIT SEQUENCE
    {
        sourceEntity          [0] IMPLICIT EntityType,
        sourceEntityAddress    [1] AddressInformation OPTIONAL,
        destinationEntity      [2] IMPLICIT EntityType,
        destinationEntityAddress [3] AddressInformation OPTIONAL,
    }
EntityType ::= ENUMERATED
    {
        endPINX(0),
        anyTypeOfPINX(1)
    }
AddressInformation ::= PartyNumber
END -- of Network Facility Extension

```

```

Network-Protocol-Profile-definition
    {iso(1) standard(0) pss1-generic-procedures(11582) network-protocol-profile-definition(8)}
DEFINITIONS ::=
BEGIN
EXPORTS      NetworkProtocolProfile;

NetworkProtocolProfile ::= [18] IMPLICIT INTEGER
    {
        acse(19),
        dse(32)}(0..254)

END -- of Network Protocol Profile definition

```

