

According to SMPP protocol v3.4, message_payload (TLV – 0x0424) is used to send characters more than 255 characters. But either the short_message or message_payload should be set according to the protocol. (https://smpp.org/SMPP_v3_4_Issue1_2.pdf)

Table 4-10: *submit_sm* PDU

Parameter	Type	Description	Reference
<i>sm_length</i>	Integer	Length in octets of the <i>short_message</i> user data.	5.2.21
<i>short_message</i>	Octet String	Up to 254 octets of short message user data. The exact physical limit for <i>short_message</i> size may vary according to the underlying network. Applications which need to send messages longer than 254 octets should use the <i>message_payload</i> parameter. In this case the <i>sm_length</i> field should be set to zero. Note: The short message data should be inserted in either the <i>short_message</i> or <i>message_payload</i> fields. Both fields must not be used simultaneously.	5.2.22

Even in version 5 the above must be followed. (https://smpp.org/SMPP_v5.pdf)

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TLV Name	Description	Ref.
<i>language_indicator</i>	Indicates the language of an alphanumeric text message.	4.8.4.35
<i>message_payload</i>	Contains the extended short message user data. Up to 64K octets can be transmitted. Note: The short message data should be inserted in either the <i>short_message</i> or <i>message_payload</i> fields. Both fields should not be used simultaneously. The <i>sm_length</i> field should be set to zero if using the <i>message_payload</i> parameter. Note: In the case of <i>data_sm</i> , the <i>message_payload</i> TLV is the only means of specifying text.	4.8.4.36
<i>more_messages_to_send</i>	Indicates that there are more messages to follow for the destination SME.	4.8.4.38
<i>ms_msg_wait_facilities</i>	This parameter controls the indication and specifies the message type (of the message associated with the MWI) at the mobile station.	4.8.4.40
<i>ms_validity</i>	Indicates validity information for this message to the recipient MS.	4.8.4.41

But in smppgui it cannot be done because when there is an empty short_message then the error is thrown and submitSM process stops.

So should implement a logic to facilitate the above requirement.