

Based on w15-0428- 121018 HeERO Comment Resolution EN 16062 - ERTICO - v1 0with add. T4 CR and CR#

1	2	(3)	4	5	(6)	(7)
#	Clause No./ Sub clause No./ Annex (e.g. 3.1)	Paragraph/ Figure/Table/ Note (e.g. Table 1)	Type of comment ²	Comment (justification for change) by the MB	Proposed change by the MB	Secretariat observations on each comment submitted
01	7.4.4, 7.12.11	Paragraph 2	te	According to the pilot test results, T5 duration of 2s is too short to ensure a suitable PUSH detection and to allow for the 2.1 kHz tone duration. 5s was identified as a more appropriate duration for T5.	Increase T5 duration to 5s. Replace: within 2s By: within 5s	Technical change. Revision required
02	Annex A	Row T5	te	See above	Replace 2s with 5s in the column value	Technical change. Revision required
03	7.4.2, 7.12.5.2, 7.12.12		te	According to the pilot test results, T4 duration of 2s is too short to ensure a suitable PUSH detection and to allow for the 2.1 kHz tone duration. 5s was identified as a more appropriate duration for T4.	Increase T4 duration to 5s. Replace: within 2s By: within 5s	Technical change. Revision required
04	Annex A	Row T4	te	See above	Replace 2s with 5s in the column value	Technical change. Revision required
05	3		te	The pilot test results showed the efficiency of the echo canceller tone procedure. In some networks, the Network Echo Canceller is likely to prevent failure of the eCall MSD transmission. Thus the echo canceller procedure shall be mentioned in the EN 16062	Add the reference: ITU-T Recommendation G.168 "Digital network echo cancellers", 03/2009	Corrigendum or Revision
06	6	Step 4	te	See above and: "call tone" in the step 4 is not the correct signal	Change the text in step 4 as indicated below (rev. marks): Step 4 – MSD transfer (including disconnect microphone and loudspeaker in vehicle from the line, <u>send network echo canceller disabling tone (optional)</u> , send IVS INITIATION signal, synchronise, request MSD, send MSD, error check), and link layer ACK (including stop MSD transmissions)	Technical change. Revision required
07	7.4.1		te	See above	Add the following sentence at the end of the clause:	Technical change.

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					A 2.1kHz tone, in accordance with ITU-T Recommendation G168, may be used to disable network echo cancellers. The tone may be sent by the PSAP before the "SEND MSD" message.	Revision required
08	7.6.1		te	See above	Add a note to the figure 8: Note: The 2.1kHz network echo canceller disabling tone may be sent by the PSAP before the "SEND MSD" message. It is recommended to send the tone if the PSAP did not send the echo canceller disabling tone prior to previous "SEND MSD" messages and the MSD was not received correctly.	Technical change. Revision required
09	7.4.1	Figure 6	te	There is a confusion concerning the use of SEND-MSD message name, versus the corresponding START message name used in the ETSI standards. For consistency reason. Furthermore there is a discrepancy in EN 16062 as "START" is used in figure 6, versus SEND-MSD in Figure 8 and everywhere in the text.	Make the following change in figure 8 replace: START with SEND-MSD	Editorial clarification
10	7.4.1	Figure 6	ed	See above. Add a clarification concerning the relationship between the EN 16062 SEND-MSD and the TS 126 267 START	Add a note under the figure 6 Note: the SEND-MSD message in this document corresponds to the START message in ETSI TS 126 267.	Editorial clarification
11	7.4.1	Figure 6	te	If the PSAP knows that the incoming call is an eCall, because the eCall indicator has been implemented and used, then the PSAP modem can immediately send the 'SEND MSD' message to the IVS without waiting for the 'INITIATION' message. Waiting for the initiation signal from the IVS adds 2 seconds to the MSD transmission time and increases the amount of time that the PSAP operator and motorist are prevented from engaging in a voice conversation. Reducing the "voice blocking time"	Add the Pull mode procedures in EN 16062 in figure 6: See Annex C.1 below	Technical change. Revision required

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				has been a significant concern raised among the eCall stakeholders.		
12	7.4.2	Paragraph 1 and 2	te	See above	<p>Please change clause 7.4.2 as following: After the eCall has been picked-up by the PSAP telephone system it shall be routed to the PSAP inband modem. If the PSAP is given an indication <u>that the incoming call is an eCall then the PSAP modem shall immediately send the 'SEND MSD' message to the IVS modem.</u></p> <p><u>If the PSAP does not receive any indication that the incoming call is an eCall, the PSAP inband modem shall listen for and evaluate the "INITIATION" message (signal) sent by the IVS. The "INITIATION" message (signal) from the IVS shall persist until the IVS has received a "SEND MSD" message from the PSAP in-band modem. But for not more than 2 s after the IVS receives a signal that the call has been answered (T3 - IVS INITIATION signal duration) (see Annex A). If a valid "INITIATION" message is not received by the PSAP eCall modem within 2 s from when the call has been answered, and the PSAP does not receive any indication that the incoming call is an eCall, then the call shall be routed to a PSAP operator (T4- PSAP wait for INITIATION signal period) (see Annex A).</u></p>	Technical change. Revision required
13	7.4.3		te	See above	<p>Please change clause 7.4.3 as following: Following receipt of <u>either a SEND MSD message from the PSAP eCall modem or a valid INITIATION signal from the IVS eCall modem, the PSAP and IVS modems shall synchronise in accordance with ETSI TS126 267 and ETSI TS 126 268.</u></p>	Technical change. Revision required

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14	7.4.4	Paragraph 1	te	See above	Replace: When the PSAP modem ... with: If the PSAP modem ...	Technical change. Revision required
15	7.5.5		te	The clause 7.5.5 handling the clear-down procedure, is not part of the AL-ACK procedure and shall not be find in 7.5	Move the clause 7.5.5 to the clause 7.9 “eCall Clear-down”	Technical change. Revision required
16	7.5.6	Table 1	ed	Pilot showed there is confusion with the interpretation of the format version in table 1.	In the table 1 text above the table, change the text as following: Bit 4: Reserved (currently 0) Bit 3: Reserved (currently 0)	Clarification.
17	7.5.6	Table 1	ed	Give indication on the value of the bits 3 and 4	In the table 1 text above the table add a note under the Bit 1 definition (see rev marks below): change the text as following: Bit 1: Format version – 0/1 of the format version (currently 0). NOTE: When the IVS receives the AL-ACK with bit 2 set to “1”, it clears down the call regardless of the value of bit 1.	
18	7.5.6	Table 1	ed	In order to avoid confusion in the interpretation of the Application Layer ACK bits, it is strongly recommended to add a description of the mapping of these bits with the Link-Layer in TS 126 267.	Under the table 1, add the text proposed in the Annex C.2 below	Clarification
19	7.3.6	Paragraph 2	ed	“Service Category Request” message.... does not exist	Replace: “Service Category Request” Message Information element with: “Service Category” Information element	Clarification
20	7.3.6	Paragraph 2	ed	The “Service Category” IE is not referred to in TS 122 101, but rather in TS 124 008	Replace: TS 122 101 with:	Corrigendum

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					TS 124 008 In the clause 7.3.6	
21	7.3.1, 7.3.6	Paragraph 1	te	An "Activation Function" invoked by the IVS and executed by NAD is mentioned, but without description of the function.	Provide a description of the "Activation Function": - role - parameters, - return result, - error code	To clarify in a revised text
22	7.4.1 and 7.6.1	Figure 6 and figure 8	te	Many terms used in both figure are not described nor explained in the document. As a figure is normative, all terms used in the figure shall be described in the document.	Provide description of: link-layer, Push-REQ, Push-IND, Pull-REQ, Pull-IND, DL sync, UL sync, CRC success, Data-IND, Data-CNF.	Clarification
23	7.5.2		te	This clause defined procedures, which is identical to 7.5.1 but written in the different way.	Either remove 7.5.2 or rephrase to clearly define the difference with 7.5.1	Reword. Revision
24	7.5.2	Paragraph 1	te	The paragraph: "An automatically generated application layer ACK, the PSAP prepares the AL-ACK as defined in EN15722 with status equals positive acknowledgement." is not meaningful	If 7.5.2 is not removed (see above), then rephrase this statement to become meaningful.	See above
25	7.5.2	Paragraph 2	te	The paragraph: "The PSAP application sends an REQ primitive to the PSAP modem and the AL-ACK shall then be transmitted to the IVS. The method by which the AL-ACK is sent is defined below". Is an unclear statement: - the REQ primitive is not defined, and the PSAP modem is defined in the figure 6 - the "method" is not "defined below".	If 7.5.2 is not removed (see above) this paragraph shall be rephrase to become meaningful	See above

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Annex C.2:

Bits 1-4 of Table 1 above are mapped to the DL-Data fields of the in-band modem’s higher-layer acknowledgement message information bits [ref. to 26.267] in the following way.

Bit 4 and Bit 3 of Table 1 are mapped to field DL-Data 1, whereas Bit 2 and Bit 1 of Table 1 are mapped to field DL-Data 2 of the in-band modem’s higher-layer acknowledgement message format, according to Tables 1a and 1b below.

Table 1a: Mapping of application layer ACK Bit 4 and Bit 3 to Binary Representation in in-band modem higher-layer acknowledgement message

Bit 4	Bit 3	Binary Representation of field DL-Data 1 [26.267]
0	0	0000
0	1	0001
1	0	0010
1	1	0011

Table 1b: Mapping of application layer ACK Bit 2 and Bit 1 to Binary Representation in in-band modem higher-layer acknowledgement message

Bit 2	Bit 1	Binary Representation of field DL-Data 2 [26.267]
0	0	0000
0	1	0001
1	0	0010
1	1	0011

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