

**Release 1999 Submission form**

<b>Work Area / Item:</b>		<b>Multicall</b>			
<b>Affects:</b>	<b>UE/MS: X</b>	<b>CN: X</b>	<b>UTRAN:</b>	<b>Compatibility Issues:</b>	<b>Yes: X      No:</b>
<b>Expected Completion Date:</b>		<b>Completed</b>			
<b>Services impacted:</b>					
<b>Specifications affected:</b>		<b>24.008, 23.009, 23.108</b>			
<b>Tasks within work which are not complete:</b>			<b>None</b>		
<b>Consequences if not included in Release 1999:</b>					
<b>Accepted by TSG#</b>		<b>for late inclusion in Release 1999:</b>			

**Abstract of document:**

At the TSG#6, the necessity of stage2 on Multicall was asked and approval of Multicall related documents was postponed to TSG #7. In order to complete Multicall in time for R99, Multicall adhoc was held on 17-18, Feb. and produced remaining open issues list to be solved. CN WG1 solved all open issues relevant at its meeting and agreed relevant CRs. The final status of all open issues is attached for information.

**Contentious Issues:**

None

This table below was made based on NS-000039, which identified the open issues as an output of Multicall adhoc held in 17-18 Feb. 2000. Also, the result of N1 #11 meeting was included.

No	Issue title	Detail description	Solution	Remaining Issue	Involved WG (Mtg schedule)	TS impacted	Result of N1 #11
1	Emergency Calls	Revise to guarantee set-up by releasing resources if needed	Release a bearer or all bearers (network option) for the emergency call if no bearers are available	To be included into 24.008	N1 (28-02-2000) Multi Call Adhoc (18-02-2000)	22.135 (done) 23.135 (done) 24.008	There is no impact on CC protocol (24.008).
2			MS must ensure the acceptance for the emergency calls by the serving network (MS has to use stream identifier 1)	24.008?	N1 (28-02-2000) Multi Call Adhoc (18-02-2000)	22.135 (done) 23.135 (done) 24.008	<p>Since MS shall be aware of NW capabilities, NW indicates its Multicall capability to the MS by using CC message. CR to 24.008 (N1-000560)</p> <p>The following description shall be added to 24.008: When MS is located in the NW not supporting Multical, it shall not request multiple bearers. CR 24.008 (N1-000489)</p>

No	Issue title	Detail description	Solution	Remaining Issue	Involved WG (Mtg schedule)	TS impacted	Result of N1 #11
3	Transfer of MS Capability -> Network	Working assumption: in CC capability message	To be included into CC capability message. Number of bearers and number of speech bearers to be included	To be included into 24.008	N1 (28-02-2000) Multi Call Adhoc (18-02-2000)	23.135 (done) 24.008 24.135 (done)	MS capability (number of bearers and number of speech bearers) is included in Call Control IE. CR to 24.008 (N1-000490)
4	Simultaneous Call Set-Up	Working Assumption: Allow it in the network, error handling in MS to be defined	Network will offer the call to the MS. The MS must be able to reject that call.	To be included into 24.008 and 24.135	N1 (28-02-2000) Multi Call Adhoc (18-02-2000)	22.135 (done) 23.135 (done) 24.008	The call clearing procedures are already included in 24.008. No N1 action is needed.
5	Call Wait	Handling to be reviewed with reference to simultaneous call set-up	Network can offer the call as a waiting call. The MS must be able to reject that call.	To be included into 24.008 and 24.135	N1 (28-02-2000) Multi Call Adhoc (18-02-2000)	22.135 (done) 23.135 (done) 24.008	The call clearing procedures are already included in 24.008. No N1 action is needed.
6	Handover	Inter MSC Handover/multicall scenarios to be resolved	Possibility A1 has been expressed (NS-000033)  Possibility B4 – Broadcast Channel should include the R'99 Multi Call scenario.	To be included into 23.135, 29.002, 24.008?	N1 (28-02-2000) N2 (02-03-2000) Multi Call Adhoc (18-02-2000)	23.135 24.008 29.002	N1's working assumption is based on possibility B2.  CR on HO scenario 23.009 based on possibility B2 (N1-000491) was agreed.

No	Issue title	Detail description	Solution	Remaining Issue	Involved WG (Mtg schedule)	TS impacted	Result of N1 #11
7	Maximum number of calls		Number of calls is been kept in the stage 1 document. If N1 can not cope this requirement then it will be kept in release 99 (limit of call is currently set to 7 – 14)	To be added 24.007 and 24.008, 23.135, 24.135	N1 (28-02-2000) N2 (02-03-2000) SS-Adhoc (25-02-2000)	24.007 24.008 23.135 24.135	N1 discussed the requirements and agreed that TI isn't expanded in R99. Therefore no CRs to 24.007 & 24.008 are necessary.
8	Relation of stream identifiers with TI (maximum bearers versus calls)		Stream Identifier allocation should be referenced from 24.008	To be included in 24.135	SS-Adhoc (25-02-2000)	24.135 24.008	N1 discussed the requirements and agreed that TI isn't expanded in R99. Therefore no CRs to 24.007 & 24.008 are necessary.
9	Improvements to TS 24.135		Error Causes needs to be described (check stage 2)	To be included in 24.135  Alignment check is required to 23.135		24.135 23.135	No action is needed in N1

No	Issue title	Detail description	Solution	Remaining Issue	Involved WG (Mtg schedule)	TS impacted	Result of N1 #11
10	Handling of the Stream identifier by pre-release 99 MSCs and non supporting Release 99 MSCs needs to be specified		Broadcast solution raised in the meeting. No agreements yet.	To be included into 22.135, 23.135	S1 (25-02-2000) N2B (2-3-2000)	22.135 23.135	<p>Since MS shall be aware of NW capabilities, NW indicates its Multicall capability to the MS by using CC message. CR to 24.008 (N1-000560)</p> <p>The following description shall be added to 24.008: When MS is located in the NW not supporting Multical, it shall not request multiple bearers. CR 24.008 (N1-000489)</p>
11	Including proper definition for NDUB	Proper definition was requested.		To be included into 22.135, 23.135	S1 (25-02-2000) N2B (2-3-2000)	22.135 23.135	Since TI is not expanded in R99, no action is needed in N1.
12	Timing of TCH release		NW behaviour shall be clarified.	To be included into 23.108	N1	23.108	CR to 23.108 (N1-000492) was agreed.