



# Ad hoc groups in Rel-18 stage 2

## Missing requirements for Rail

Guillaume Gach

UIC



# Ad hoc groups in Rel-18 stage 2

Missing requirements (FFS) known by SA6 (MC\_AHGC 85% completed):

- Ad hoc group emergency alert within several MC Systems
- Interaction of emergency state of a user when an ad hoc group emergency alert is initiated or cancelled e.g., cancelling an emergency state of a group will clear emergency state of the initiating user?  
Cancelling an AHG emergency alert will clear emergency state of the initiating user if AHGC is ongoing?  
Assumption is that only the initiating user can clear its emergency state.
- Sending an implicit affiliation indication (to notify users of the alert) to the alerted participant in the ad hoc group emergency alert request i.e., affiliation applicable to an AHG emergency alert (cancelling AHGC will implicitly de-affiliate participants so what if alert is still active)? Check existing behaviour with emergency alert (not AHG)
- Notification sent to the ad hoc group emergency alert participants about entering or leaving the alert
- MCDATA procedures in case of multiple MC Systems (SDS, FD)
- Configuration and IEs in AHGC information flows are missing – To be confirmed (get users list + get users list response for partner systems)



# Ad hoc groups in Rel-18 stage 2

Missing requirements in Rel-18 stage 2:

Rail **High** priority (part of Rel-18?):

- Enhanced “location information” IE (5G serving and neighbouring cells ID)
- Notification to authorised users of users which are entering/leaving an active ad hoc group (alert or call) → covered by SA6 known missing req but what if user leaving is talker? Requirements to be clarified first.
- Scenarios of interconnected MC Systems and migrated users (1<sup>st</sup> phase)

Rail **Medium** priority (part of Rel-19):

- Multi user talker control for ad hoc group call/MCPTT
- Enhanced scenarios of interconnected MC Systems and migrated users (2<sup>nd</sup> phase)
- Confirmation of ad hoc group call/MCData SDS & FD to support FRMCS REC-data
- Possibility to change criteria during an active ad hoc group (alert or call)
- Add “additional information” IE when ad hoc group emergency alert is cancelled
- Recording of ad hoc group call/data (call information e.g., duration, participants IDs...)
- Recording of ad hoc group emergency alert/voice call (audio + call information e.g., duration, participants IDs...)

Rail **Low** priority (may be part of Rel-19):

- Enhanced “location information” IE (location labels, user acceleration...)
- Merging ad hoc groups