

# SA WG3 Status report for FS\_Ranging\_SL\_Sec

**Wei Lu**  
**Xiaomi**

# FS\_Ranging\_SL\_Sec Status

## Overall plan

- August meeting:
  - Agreed on a new key issue for Protection of Direct Communication
  - Start to add solutions for key issues (**but blocked due to dependency on SA2 conclusion**)
- October meeting:
  - Last meeting to add/update key issues, based on the progress after SA2's August meeting
  - Start to add solutions for key issues
- November meeting:
  - Updated KI#2 and KI#4 to be aligned with SA2 conclusion
  - Updated existing solutions (sol#1, sol#2) by resolving editor's notes
  - Added new solutions for KI#1 & KI#4
  - **Many contributions on solutions were not treated**
- January meeting:
  - Last meeting to add new solutions and update existing solutions as needed
  - Add solution evaluations
- February meeting:
  - Add conclusions for key issues
  - Agree on WID
- April meeting:
  - Start normative work
- May meeting:
  - Finalize normative work

# FS\_Ranging\_SL\_Sec Status

## TR 33.893 Summary



Key Issues	Solutions	Solution status
Privacy protection for Ranging/SL Positioning services	Sol#1, Sol#7, Sol#8	Evaluated with EN
Authorization for Ranging/Sidelink Positioning Service	Sol#2, Sol#3, Sol#4, Sol#5	Sol#2, Sol#3 evaluated Sol#4, Sol#5 not evaluated
Protection of discovery procedure	None	N/A
Protection of direct communication	Sol#6, Sol#7	Sol#6 not evaluated Sol#7 evaluated with EN

SA3#107 Adhoc-3  
Jun27-July1st 2022

- Three Key Issues

SA3#108  
Aug 22-26, 2022

- Four Key Issues
- No solution

SA3#108 Adhoc-e  
Oct 10-14, 2022

- 6 solutions added

SA3#109  
Nov 14-18, 2022

- Existing KIs updated
- Existing solutions updated
- New solutions added

SA3#109-bis  
Jan 16-20, 2023

- New solutions to be added
- Existing solutions to be evaluated

## FS\_Ranging\_SL\_Sec status after SA3#109

UID	Name	Acronym	Rel	WG	Target	Old %	New %	Change or comment
960036	Study on Security Aspects of Ranging Based Services and Sidelink Positioning	FS_Ranging_SL_Sec	Rel-18	S3	Mar-2023	20%	40%	TR 33.893

### General

- TR 33.893 v0.4.0 contains 4 key issues and 8 solutions

### Dependencies:

- SA2 work after Nov. (#154e): TR 23.700-86 v1.1.0, completion rate 85%, WID established (pending email approval)
- Next SA2 meeting Jan. (ad-hoc): Conclusions to be completed, normative phase to be started

# FS\_Ranging\_SL\_SEC status after SA3#109



- 📶 **SA2/RAN impacts and dependencies:**
  - None for RAN
  - Dependencies on SA2 conclusion completion for SA3 solution development
- 📶 **Contentious Issue:**
  - Possibly technical contentious issue on role authorization
- 📶 **Focus for the Next Meeting (Jan.):**
  - Add new solutions for 4 KIs (**No new KI to be discussed**)
  - Resolve ENs and add evaluation for the existing solutions
- 📶 **Overall Plan:**
  - See slide #2
- 📶 **Risks:**
  - SA3 timeline delayed due to SA2 Ranging delay
  - SA3 timeline delayed due to too many untreated contributions at #109
  - **Exception may be requested according to the current progress**