**3GPP TSG-SA WG1 Meeting #111 S1-253xxx**

**25-29 August 2025, Goteborg, Sweden**

Title: Agenda Drafting Sensing + Immersive

Ag. Item: 8.1.4, 8.1.6

Source: Drafting Session Chair

Contact: Jesus Martin

**MEETING ROOMS:**

**Plenary/Drafting 1: Room Björk/Silver G3**

Breakout Drafting 2: Room Björk/Silver G2

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|  |  | **Monday** |  | **Tuesday** | **Wednesday** |
| **Q4** | **16:00**  **18:00** | =================  **Drafting 2:**  8.1.4 Sensing + 8.1.6 Immersive | **16:00**  **18:00** | =================  **Drafting 2:**  8.1.4 Sensing + 8.1.6 Immersive  Both sessions continue till 18:30 | =================  **Drafting 2:**  8.1.4 Sensing + 8.1.6 Immersive  Both sessions finish at 17:30h |
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| **Q5** | **18:10**  **19:00** | =================  **Drafting 2:**  8.1.4 Sensing + 8.1.6 Immersive | **18:10**  **19:00** |  |  |

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| Integrated Sensing and Communication | | | | | |
| **Updates to existing use cases** | | | | | |
| Cont | [S1-253223](file:///C:\TSGS1_111_Goteborg\Docs\S1-253223.zip) | Apple | pCR on Ambient Sensing |  |  |
| Cont | [S1-253054](file:///C:\TSGS1_111_Goteborg\Docs\S1-253054.zip) | FirstNet | Pseudo-CR on Minor update to text in Section 7.1 |  | Rapp comment: To be merged with 3055 & 3205 |
| Cont | [S1-253055](file:///C:\TSGS1_111_Goteborg\Docs\S1-253055.zip) | AT&T Labs, Inc | Pseudo-CR on 7.1 update to better reflect the use case |  | Rapp comment: To be merged with 3054 & 3205 |
| Cont | [S1-253205](file:///C:\TSGS1_111_Goteborg\Docs\S1-253205.zip) | NTT DOCOMO INC. | Update to use case 7.1 |  | Rapp comment: To be merged with 3054 & 3255 |
| Cont | [S1-253353](file:///C:\TSGS1_111_Goteborg\Docs\S1-253353.zip) | Xiaomi Communications | pCR to UC 7.3 High-resolution topographical maps |  |  |
| Cont | [S1-253184](file:///C:\TSGS1_111_Goteborg\Docs\S1-253184.zip) | Turkcell | Pseudo-CR on Update 7.4 Use case on low-altitude UAV supervision | Revised to S1-253184r1 | Rapp comment: To be merged with 3233 |
| Cont | [S1-253184r1](file:///C:\TSGS1_111_Goteborg\docs\S1-253184r1.zip) | Turkcell | Pseudo-CR on Update 7.4 Use case on low-altitude UAV supervision |  | Revision of S1-253184. |
| Cont | [S1-253233](file:///C:\TSGS1_111_Goteborg\Docs\S1-253233.zip) | Huawei | Update of Clause 7.4 use case on low-altitude UAV supervision |  | Rapp comment: To be merged with 3184 |
| Cont | [S1-253270](file:///C:\TSGS1_111_Goteborg\Docs\S1-253270.zip) | Huawei | Update of clause 7.5 use case on environment object reconstruction |  |  |
| Cont | [S1-253166](file:///C:\TSGS1_111_Goteborg\Docs\S1-253166.zip) | Qualcomm France | Update to Clause 7.6 |  |  |
| Cont | [S1-253138](file:///C:\TSGS1_111_Goteborg\Docs\S1-253138.zip) | China Mobile | Pseudo-CR on update 7.10 Use case on stored sensing data handling |  |  |
| Cont | [S1-253337](file:///C:\TSGS1_111_Goteborg\Docs\S1-253337.zip) | InterDigital | pCR on Clause 713 ENs issues 79 and 80 |  |  |
| Cont | [S1-253139](file:///C:\TSGS1_111_Goteborg\Docs\S1-253139.zip) | China Mobile lnfo.Tech.Co. Ltd | Pseudo-CR on update 7.15 Use case on multi-sensor fusion based sensing for UAV takeoff and landing |  |  |
| Cont | [S1-253085](file:///C:\TSGS1_111_Goteborg\Docs\S1-253085.zip) | Samsung | 22.870 pCR Update of Use Case on Enabling Non-3GPP Wireless Sensing |  |  |
| Cont | [S1-253354](file:///C:\TSGS1_111_Goteborg\Docs\S1-253354.zip) | Xiaomi Communications | pCR for UC 7.20 regarding non-sensing UE as consumer of sensing results |  |  |
| **New use cases** | | | | | |
| Cont | [S1-253114](file:///C:\TSGS1_111_Goteborg\Docs\S1-253114.zip) | OPPO | Use case on sensing assisted communications service optimization |  |  |
| Cont | [S1-253132](file:///C:\TSGS1_111_Goteborg\Docs\S1-253132.zip) | China Mobile | New use case on Adaptive Path Planning for AI Agent-Powered UAVs/AGVs |  |  |
| Cont | [S1-253144](file:///C:\TSGS1_111_Goteborg\Docs\S1-253144.zip) | ZTE Corporation | Use case on structural health monitoring |  |  |
| Cont | [S1-253237](file:///C:\TSGS1_111_Goteborg\Docs\S1-253237.zip) | SoftBank Corp. | HAPS-enabled Persistent Wide-Area IoT and Integrated Sensing Services |  |  |
| Cont | [S1-253315](file:///C:\TSGS1_111_Goteborg\Docs\S1-253315.zip) | Siemens, OTE | New use case on Gesture Recognition in Industrial Environments |  |  |
| Cont | [S1-253316](file:///C:\TSGS1_111_Goteborg\Docs\S1-253316.zip) | Siemens, OTE | New use case on Collaborating Robots in Smart Factories |  |  |
| Cont | [S1-253327](file:///C:\TSGS1_111_Goteborg\Docs\S1-253327.zip) | Reliance Jio | New use case origination from ISAC for IIoT |  |  |
| Cont | S1-253161 | Qualcomm France | Use Case on UAV Recognition and Counting | Revised to S1-253334 |  |
| Cont | [S1-253334](file:///C:\TSGS1_111_Goteborg\Docs\S1-253334.zip) | Qualcomm France | Use Case on UAV Recognition and Counting |  | Revision of S1-253161. |
| Cont | [S1-253211](file:///C:\TSGS1_111_Goteborg\Docs\S1-253211.zip) | TNO | New use case on detection of ships in the open sea | Revised to S1-253342 |  |
| Cont | [S1-253342](file:///C:\TSGS1_111_Goteborg\Docs\S1-253342.zip) | ESA, Fraunhofer, Airbus, TNO, Thales, Novamint | New use case on detection of ships in the open sea |  | Revision of S1-253211. |
| Cont | [S1-253210](file:///C:\TSGS1_111_Goteborg\Docs\S1-253210.zip) | TNO | New use case on high-altitude UAV supervision | Revised to S1-253343 |  |
| Cont | [S1-253343](file:///C:\TSGS1_111_Goteborg\Docs\S1-253343.zip) | ESA, Fraunhofer, Airbus, TNO, Thales, Novamint | New use case on high-altitude UAV supervision |  | Revision of S1-253210. |
| Cont | [S1-253204](file:///C:\TSGS1_111_Goteborg\Docs\S1-253204.zip) | TNO | New use case on Atmospheric monitoring and weather alerts | Revised to S1-253346 |  |
| Cont | [S1-253346](file:///C:\TSGS1_111_Goteborg\Docs\S1-253346.zip) | ESA, Fraunhofer, Airbus, TNO, Thales, Novamint | New use case on Atmospheric monitoring and weather alerts |  | Revision of S1-253204. |
| Cont | [S1-253207](file:///C:\TSGS1_111_Goteborg\Docs\S1-253207.zip) | TNO | New use case on sensing of space debris with NTN | Revised to S1-253347 |  |
| Cont | [S1-253347](file:///C:\TSGS1_111_Goteborg\Docs\S1-253347.zip) | ESA, Fraunhofer, Airbus, TNO, Thales, Novamint | New use case on sensing of space debris with NTN |  | Revision of S1-253207. |
| Cont | [S1-253349](file:///C:\TSGS1_111_Goteborg\Docs\S1-253349.zip) | Philips International B.V. | New use case on sensing during emergency call |  |  |
| Cont | [S1-253338](file:///C:\TSGS1_111_Goteborg\Docs\S1-253338.zip) | InterDigital, Turk Telekom | New use case on Smart Shopping Tracker | Revised to S1-253351 |  |
| Cont | [S1-253351](file:///C:\TSGS1_111_Goteborg\Docs\S1-253351.zip) | InterDigital, Turk Telekom, OTE | New use case on Smart Shopping Tracker |  | Revision of S1-253338. |
| Cont | [S1-253356](file:///C:\TSGS1_111_Goteborg\Docs\S1-253356.zip) | Xiaomi Communications | pCR for New use case UE sensor groups |  |  |
| Cont | [S1-253357](file:///C:\TSGS1_111_Goteborg\Docs\S1-253357.zip) | Xiaomi Communications | pCR New Use Case for Efficient Sensing service delivery to sensor groups |  |  |
| Immersive Reality | | | | | |
| Updates to existing use cases | | | | | |
| Cont | [S1-253247](file:///C:\TSGS1_111_Goteborg\Docs\S1-253247.zip) | ZTE Corporation, China Unicom | Pseudo-CR on addressing EN in clause 9.5 |  |  |
| Cont | [S1-253082](file:///C:\TSGS1_111_Goteborg\Docs\S1-253082.zip) | Samsung | 22.870 pCR Update of Use case on Critical Immersive Communications |  |  |
| Cont | [S1-253040](file:///C:\TSGS1_111_Goteborg\Docs\S1-253040.zip) | China Unicom | Updated use case on smart life for aging population with immersive real-time communication |  |  |
| Cont | [S1-253075](file:///C:\TSGS1_111_Goteborg\Docs\S1-253075.zip) | OPPO | Update of use case on real-time VR live service with deterministic user experience |  |  |
| Cont | [S1-253339](file:///C:\TSGS1_111_Goteborg\Docs\S1-253339.zip) | InterDigital | pCR on Clause 9.12 EN issue 116 |  |  |
| Cont | [S1-253196](file:///C:\TSGS1_111_Goteborg\Docs\S1-253196.zip) | CATT | Update 9.15 UC on coordinating computing and communication |  |  |
| Cont | [S1-253248](file:///C:\TSGS1_111_Goteborg\Docs\S1-253248.zip) | ZTE Corporation, China Unicom | Pseudo-CR on update use case in clause 9.15 |  |  |
| New use cases | | | | | |
| Cont | [S1-253074](file:///C:\TSGS1_111_Goteborg\Docs\S1-253074.zip) | OPPO, China Unicom | New use case on error tolerant communication for online short video streaming service |  |  |
| Cont | [S1-253159](file:///C:\TSGS1_111_Goteborg\Docs\S1-253159.zip) | Qualcomm France | Use case on Application Context Enhanced Communication Service |  |  |
| Cont | [S1-253208](file:///C:\TSGS1_111_Goteborg\Docs\S1-253208.zip) | SHURE Europe GmbH | New use case on Immersive Audio Production in Live Events |  |  |
| Cont | [S1-253259](file:///C:\TSGS1_111_Goteborg\Docs\S1-253259.zip) | China Mobile | Pseudo-CR on new use case on communication between heterogeneous immersive terminals |  |  |
| Cont | [S1-253266](file:///C:\TSGS1_111_Goteborg\Docs\S1-253266.zip) | Tata Consultancy Services | Pseudo-CR on bandwidth efficient live interaction with virtual 3D demonstrator using semantic communication |  |  |
| Cont | [S1-253302](file:///C:\TSGS1_111_Goteborg\Docs\S1-253302.zip) | BUPT | Use case on 3D hyper-realistic video services |  | This is submitted to Clause 9 but UC is written for W |
| Cont | [S1-253352](file:///C:\TSGS1_111_Goteborg\Docs\S1-253352.zip) | Xiaomi Communications | New Use Case: Use Case on Collaborative Mixed Reality Co-Design using XR Immersive Communication |  |  |
| Cont | [S1-253325](file:///C:\TSGS1_111_Goteborg\Docs\S1-253325.zip) | Reliance Jio | Digital Twins under Immersive Communications |  |  |
| Cont | S1-253194 | CATT | Update 9.7 UC on holographic telepresence in healthcare | Withdrawn |  |
| Tdoc numbers NOT allocated during drafting session (admin purposes only) | | | | | |
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| Important discussions | | | | | |
| *Highlight the following items:* | | | | | |
| Close | | | | | |