**3GPP TSG-SA WG1 Meeting #108 S1-244001**

**Orlando, Florida, USA, 18-22 November 2024**

Title: Drafting Agenda 6G Sensing + Verticals

Ag. Item: 1.1

Source: SA1 Chairperson

Contact: Jose Luis Almodovar Chico

**MEETING ROOMS:**

**Plenary/Drafting: Sago**

Breakout: Citron West

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|  |  | **Tuesday** | **Wednesday** |
|  |  |  |  |
| **Q4** | **16:00**  **18:00** | **Drafting 1:**  8.1.2 6G Sensing  8.1.6. Verticals  =================  **Drafting 2:**  8.1.5 6G Massive Com  8.1.3 Ubiquitous | **Drafting 1:**  8.1.2 6G Sensing  8.1.6. Verticals  =================  **Drafting 2:**  8.1.5 6G Massive Com  8.1.3 Ubiquitous |
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| **Q5** | **18:10**  **19:00** | **MMS**  (19:00) | **Drafting 1:**  8.1.2 6G Sensing  8.1.6. Verticals  =================  **Drafting 2:**  8.1.5 6G Massive Com  8.1.3 Ubiquitous |

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| FS\_6G-REQ [[SP-241391](https://www.3gpp.org/ftp/tsg_sa/TSG_SA/TSGS_105_Melbourne_2024-09/Docs/SP-241391.zip)] | | | | | | |
| Integrated Sensing and Communication | | | | | | |
| Cont | [S1-244037](file:///D:\TSGS1_108_Orlando\Docs\S1-244037.zip) | Nokia | Pseudo-CR on applicability of existing ISAC use cases and requirements to 6G | Revised to S1-244588 | |  |
| Cont | [S1-244588](file:///D:\TSGS1_108_Orlando\docs\S1-244588.zip) | Nokia | Pseudo-CR on applicability of existing ISAC use cases and requirements to 6G |  | | Revision of S1-244037. |
| Cont | [S1-244231](file:///D:\TSGS1_108_Orlando\Docs\S1-244231.zip) | Xiaomi | Adoption of 5G ISAC Use Cases and Requirements to 6G FS | Noted | |  |
| Cont | [S1-244095](file:///D:\TSGS1_108_Orlando\Docs\S1-244095.zip) | Qualcomm | Baseline Sensing Requirements for 6G | Noted | |  |
| Cont | [S1-244096](file:///D:\TSGS1_108_Orlando\Docs\S1-244096.zip) | Qualcomm | Proposed Baseline for 6G Sensing Requirements | Merged into S1-244588 | |  |
| Cont | [S1-244024](file:///D:\TSGS1_108_Orlando\Docs\S1-244024.zip) | Ericsson | Network assisted 3D-mobility | Revised to S1-244435 | |  |
| Cont | [S1-244435](file:///D:\TSGS1_108_Orlando\docs\S1-244435.zip) | Ericsson | Network assisted 3D-mobility | Revised to S1-244589 | | Revision of S1-244024.2 |
| Cont | [S1-244589](file:///D:\TSGS1_108_Orlando\docs\S1-244589.zip) | Ericsson | Network assisted 3D-mobility |  | | *Revision of S1-244024.2*  Revision of S1-244435. |
| Cont | [S1-244038](file:///D:\TSGS1_108_Orlando\Docs\S1-244038.zip) | IPLOOK | Use case on sensing for fiber-optic vibration service over satellite | Revised to S1-244394 | |  |
| Cont | [S1-244394](file:///D:\TSGS1_108_Orlando\docs\S1-244394.zip) | IPLOOK | Use case on sensing for fiber-optic vibration service over satellite | Noted | | Revision of S1-244038. |
| Cont | [S1-244083](file:///D:\TSGS1_108_Orlando\Docs\S1-244083.zip) | NTT DOCOMO | Recovery from a severe disaster - Sensing for ETWS | Revised to S1-244671 | |  |
| Cont | [S1-244671](file:///D:\TSGS1_108_Orlando\docs\S1-244671.zip) | NTT DOCOMO | Recovery from a severe disaster - Sensing for ETWS |  | | Revision of S1-244083. |
| Cont | [S1-244081](file:///D:\TSGS1_108_Orlando\Docs\S1-244081.zip) | NTT DOCOMO | Coordination of search and rescue missions in large disaster areas | Revised to S1-244672 | |  |
| Cont | [S1-244672](file:///D:\TSGS1_108_Orlando\docs\S1-244672.zip) | NTT DOCOMO | Coordination of search and rescue missions in large disaster areas |  | | Revision of S1-244081. |
| Cont | [S1-244094](file:///D:\TSGS1_108_Orlando\Docs\S1-244094.zip) | Qualcomm | Enhanced XR User Navigation | Revised to S1-244590 | |  |
| Cont | [S1-244590](file:///D:\TSGS1_108_Orlando\docs\S1-244590.zip) | Qualcomm | Enhanced XR User Navigation |  | | Revision of S1-244094. |
| Cont | [S1-244108](file:///D:\TSGS1_108_Orlando\Docs\S1-244108.zip) | NTT DOCOMO | Use case on Optimal sensing task distribution | Revised to S1-244591 | |  |
| Cont | [S1-244591](file:///D:\TSGS1_108_Orlando\docs\S1-244591.zip) | NTT DOCOMO | Use case on Optimal sensing task distribution |  | | Revision of S1-244108. |
| Cont | [S1-244113](file:///D:\TSGS1_108_Orlando\Docs\S1-244113.zip) | China Mobile | Use case on low-altitude UAV supervision | Revised to S1-244406 | |  |
| Cont | [S1-244406](file:///D:\TSGS1_108_Orlando\docs\S1-244406.zip) | China Mobile | Use case on low-altitude UAV supervision | Revised to S1-244592 | | Revision of S1-244113. |
| Cont | [S1-244592](file:///D:\TSGS1_108_Orlando\docs\S1-244592.zip) | China Mobile | Use case on low-altitude UAV supervision |  | | *Revision of S1-244113.*  Revision of S1-244406. |
| Cont | [S1-244288](file:///D:\TSGS1_108_Orlando\Docs\S1-244288.zip) | Huawei | Use case on collision prediction for UAV logistics | Merge into S1-244592 | |  |
| Cont | [S1-244132](file:///D:\TSGS1_108_Orlando\Docs\S1-244132.zip) | ZTE | Use case on comprehensive motion classification and recognization for immersive experience | Noted | | Postponed by the source company. |
| Cont | [S1-244133](file:///D:\TSGS1_108_Orlando\Docs\S1-244133.zip) | ZTE | Use case on detection of ships on the coast or in rivers | Noted | | Postponed by the source company. |
| Cont | [S1-244134](file:///D:\TSGS1_108_Orlando\Docs\S1-244134.zip) | ZTE | Use case on geological disaster monitoring | Noted | | Postponed by the source company. |
| Cont | [S1-244135](file:///D:\TSGS1_108_Orlando\Docs\S1-244135.zip) | ZTE, China Mobile | Use case on intrusion detection with object and intention recognition in smart home | Revised to S1-244593 | |  |
| Cont | [S1-244593](file:///D:\TSGS1_108_Orlando\docs\S1-244593.zip) | ZTE, China Mobile | Use case on intrusion detection with object and intention recognition in smart home |  | | Revision of S1-244135. |
| Cont | [S1-244136](file:///D:\TSGS1_108_Orlando\Docs\S1-244136.zip) | ZTE | Use case on micro-deformation monitoring on a bridge | Noted | |  |
| Cont | [S1-244137](file:///D:\TSGS1_108_Orlando\Docs\S1-244137.zip) | ZTE | Use case on sensing prediction for smart traffic management | Revised to S1-244419 | |  |
| Cont | [S1-244419](file:///D:\TSGS1_108_Orlando\docs\S1-244419.zip) | ZTE | Use case on sensing prediction for smart traffic management | Revised to S1-244594 | | Revision of S1-244137. |
| Cont | [S1-244594](file:///D:\TSGS1_108_Orlando\docs\S1-244594.zip) | ZTE | Use case on sensing prediction for smart traffic management |  | | *Revision of S1-244137.*  Revision of S1-244419. |
| Cont | [S1-244172](file:///D:\TSGS1_108_Orlando\Docs\S1-244172.zip) | China Mobile | pCR on Use Case AI support for enhancement of target sensing | Merged into 4172 | |  |
| Cont | [S1-244138](file:///D:\TSGS1_108_Orlando\Docs\S1-244138.zip) | ZTE, China Mobile | Use case on UAV express delivery in low-altitude economy | Noted | | Postponed by the source company. |
| Cont | [S1-244139](file:///D:\TSGS1_108_Orlando\Docs\S1-244139.zip) | ZTE | Use case on outdoor sports health monitoring | Noted | | Postponed by the source company. |
| Cont | [S1-244160](file:///D:\TSGS1_108_Orlando\Docs\S1-244160.zip) | NICT | Use case on safety assistance for vulnerable pedestrians | Revised to S1-244595 | |  |
| Cont | [S1-244595](file:///D:\TSGS1_108_Orlando\docs\S1-244595.zip) | NICT | Use case on safety assistance for vulnerable pedestrians |  | | Revision of S1-244160. |
| Cont | [S1-244173](file:///D:\TSGS1_108_Orlando\Docs\S1-244173.zip) | China Mobile | pCR Use Case Dynamic adjustment according to sensing service quality | Noted | |  |
| Cont | [S1-244174](file:///D:\TSGS1_108_Orlando\Docs\S1-244174.zip) | China Mobile | pCR on Use Case Multi-Sensor Fusion based sensing for UAV takeoff and landing | Revised to S1-244596 | |  |
| Cont | [S1-244596](file:///D:\TSGS1_108_Orlando\docs\S1-244596.zip) | China Mobile | pCR on Use Case Multi-Sensor Fusion based sensing for UAV takeoff and landing |  | | Revision of S1-244174. |
| Cont | [S1-244175](file:///D:\TSGS1_108_Orlando\Docs\S1-244175.zip) | China Mobile | pCR on Use Case non-real-time sensing service | Revised to S1-244597 | |  |
| Cont | [S1-244597](file:///D:\TSGS1_108_Orlando\docs\S1-244597.zip) | China Mobile | pCR on Use Case non-real-time sensing service |  | | Revision of S1-244175. |
| Cont | [S1-244176](file:///D:\TSGS1_108_Orlando\Docs\S1-244176.zip) | China Mobile | pCR on Use Case Sensing Network Sharing | Noted | | Postponed by the source company. |
| Cont | [S1-244187](file:///D:\TSGS1_108_Orlando\Docs\S1-244187.zip) | vivo | Use case on mobility management based on environmental awareness | Revised to S1-240673 | |  |
| Cont | [S1-240673](file:///D:\TSGS1_108_Orlando\docs\S1-240673.zip) | vivo | Use case on mobility management based on environmental awareness |  | | Revision of S1-244187. |
| Cont | [S1-244221](file:///D:\TSGS1_108_Orlando\Docs\S1-244221.zip) | ZTE | Use case on sensing result validation | Revised to S1-244675 | |  |
| Cont | [S1-244675](file:///D:\TSGS1_108_Orlando\docs\S1-244675.zip) | ZTE | Use case on sensing result validation |  | | Revision of S1-244221. |
| Cont | [S1-244229](file:///D:\TSGS1_108_Orlando\Docs\S1-244229.zip) | Xiaomi | New use case for high-resolution topographical maps | Revised to S1-244674 | |  |
| Cont | [S1-244674](file:///D:\TSGS1_108_Orlando\docs\S1-244674.zip) | Xiaomi | New use case for high-resolution topographical maps |  | | Revision of S1-244229. |
| Cont | [S1-244268](file:///D:\TSGS1_108_Orlando\Docs\S1-244268.zip) | NTT DOCOMO | pCR on exposing disaster victim situation | Noted | |  |
| Cont | [S1-244272](file:///D:\TSGS1_108_Orlando\Docs\S1-244272.zip) | Samsung | 22.870 pCR: Use Case on Non-3GPP Sensing Service Enablers | Noted | |  |
| Cont | [S1-244287](file:///D:\TSGS1_108_Orlando\Docs\S1-244287.zip) | Huawei | Use case on environment object reconstruction | Revised to S1-244676 | |  |
| Cont | [S1-244676](file:///D:\TSGS1_108_Orlando\docs\S1-244676.zip) | Huawei | Use case on environment object reconstruction |  | | Revision of S1-244287. |
| Cont | [S1-244289](file:///D:\TSGS1_108_Orlando\Docs\S1-244289.zip) | Huawei | Use case on road digitalization | Revised to S1-244677 | |  |
| Cont | [S1-244677](file:///D:\TSGS1_108_Orlando\docs\S1-244677.zip) | Huawei | Use case on road digitalization |  | | Revision of S1-244289. |
| Cont | [S1-244369](file:///D:\TSGS1_108_Orlando\Docs\S1-244369.zip) | InterDigital, TNO | Collaborative Robots Using Digital Twinning | Revised to S1-244678 | |  |
| Cont | [S1-244678](file:///D:\TSGS1_108_Orlando\docs\S1-244678.zip) | InterDigital, TNO | Collaborative Robots Using Digital Twinning |  | | Revision of S1-244369. |
| Cont | [S1-244371](file:///D:\TSGS1_108_Orlando\Docs\S1-244371.zip) | InterDigital | Emergency Vehicle Driving and Route Management | Revised to S1-244679 | |  |
| Cont | [S1-244679](file:///D:\TSGS1_108_Orlando\docs\S1-244679.zip) | InterDigital | Emergency Vehicle Driving and Route Management |  | | Revision of S1-244371. |
| Cont | [S1-244374](file:///D:\TSGS1_108_Orlando\Docs\S1-244374.zip) | NTT DOCOMO | pCR on Improving the Credibility of Visuals by using sensing | Revised to S1-244680 | |  |
| Cont | [S1-244680](file:///D:\TSGS1_108_Orlando\docs\S1-244680.zip) | NTT DOCOMO | pCR on Improving the Credibility of Visuals by using sensing |  | | Revision of S1-244374. |
| Cont | S1-244355 | Reliance Jio | 6G inputs from Reliance Jio | Noted | | LATE contribution |
| Cont | S1-244263 | Reliance Jio | Use case on 6G Integrated Sensing and Communications | Noted | | LATE contribution |
| Further Use Cases on Industry and Verticals | | | | | | |
| Cont | [S1-244018](file:///D:\TSGS1_108_Orlando\Docs\S1-244018.zip) | Nokia | New use case on Realtime Digital Twins | Revised to S1-244412 | |  |
| Cont | [S1-244412](file:///D:\TSGS1_108_Orlando\docs\S1-244412.zip) | Nokia | New use case on Realtime Digital Twins | Revised to S1-244681 | | Revision of S1-244018. |
| Cont | [S1-244681](file:///D:\TSGS1_108_Orlando\docs\S1-244681.zip) | Nokia | New use case on Realtime Digital Twins |  | | *Revision of S1-244018.*  Revision of S1-244412. |
| Cont | [S1-244048](file:///D:\TSGS1_108_Orlando\Docs\S1-244048.zip) | ZTE | Use case on digital twin for Industrial IoT | Noted | | Postponed by the source company. |
| Cont | [S1-244049](file:///D:\TSGS1_108_Orlando\Docs\S1-244049.zip) | ZTE | Use case on SLA for Industrial IoT | Noted | | Postponed by the source company. |
| Cont | [S1-244102](file:///D:\TSGS1_108_Orlando\Docs\S1-244102.zip) | NEC | Ubiquitous Computing service in Autonomous Delivery Drone Fleet | Revised to S1-244430 | |  |
| Cont | [S1-244430](file:///D:\TSGS1_108_Orlando\docs\S1-244430.zip) | NEC | Ubiquitous Computing service in Autonomous Delivery Drone Fleet | Revised to S1-244682 | | Revision of S1-244102. |
| Cont | [S1-244682](file:///D:\TSGS1_108_Orlando\docs\S1-244682.zip) | NEC | Ubiquitous Computing service in Autonomous Delivery Drone Fleet |  | | *Revision of S1-244102.*  Revision of S1-244430. |
| Cont | [S1-244105](file:///D:\TSGS1_108_Orlando\Docs\S1-244105.zip) | NEC | Data Services for Connected Vehicle by Telecom network | Revised to S1-244431 | |  |
| Cont | [S1-244431](file:///D:\TSGS1_108_Orlando\docs\S1-244431.zip) | NEC | Data Services for Connected Vehicle by Telecom network |  | | Revision of S1-244105.  Still open |
| Cont | [S1-244115](file:///D:\TSGS1_108_Orlando\Docs\S1-244115.zip) | China Mobile | Use case on distributed autonomous network for vertical industry | Revised to S1-244683 | |  |
| Cont | [S1-244683](file:///D:\TSGS1_108_Orlando\docs\S1-244683.zip) | China Mobile | Use case on distributed autonomous network for vertical industry |  | | Revision of S1-244115. |
| Cont | [S1-244116](file:///D:\TSGS1_108_Orlando\Docs\S1-244116.zip) | China Mobile | Use case on Network intelligence and simplification | Revised to S1-244691 | |  |
| Cont | [S1-244691](docs\S1-244691.zip) | China Mobile | Use case on Network intelligence and simplification |  | | Revision of S1-244116. |
| Cont | [S1-244143](file:///D:\TSGS1_108_Orlando\Docs\S1-244143.zip) | LG. | Immersive Media Services for AAM Enabled by 6G TN and NTN | Revised to S1-244684 | |  |
| Cont | [S1-244684](file:///D:\TSGS1_108_Orlando\docs\S1-244684.zip) | LG. | Immersive Media Services for AAM Enabled by 6G TN and NTN |  | | Revision of S1-244143. |
| Cont | [S1-244144](file:///D:\TSGS1_108_Orlando\Docs\S1-244144.zip) | LG. | Collaborative Awareness in Dynamic Environments Enhancing Mutual Decision-Making through Real-Time Data Sharing |  | | Still open |
| Cont | [S1-244145](file:///D:\TSGS1_108_Orlando\Docs\S1-244145.zip) | LG. | Supporting Intelligence Leveraging Nearby Entities for Real-Time Awareness | Revised to S1-244689 | |  |
| Cont | [S1-244689](file:///D:\TSGS1_108_Orlando\docs\S1-244689.zip) | LG. | Supporting Intelligence Leveraging Nearby Entities for Real-Time Awareness |  | | Revision of S1-244145. |
| Cont | [S1-244151](file:///D:\TSGS1_108_Orlando\Docs\S1-244151.zip) | NICT, ESA | Use Case on Remote and Automatic Construction | Revised to S1-244154 | |  |
| Cont | [S1-244154](file:///D:\TSGS1_108_Orlando\Docs\S1-244154.zip) | NICT, ESA | Use Case on Remote and Automatic Construction | Revised to S1-244690 | | Revision of S1-244151. |
| Cont | [S1-244690](docs\S1-244690.zip) | NICT, ESA | Use Case on Remote and Automatic Construction |  | | *Revision of S1-244151.*  Revision of S1-244154. |
| Cont | [S1-244159](file:///D:\TSGS1_108_Orlando\Docs\S1-244159.zip) | NICT, ESA | Use Case on Critical infrastructure Monitoring | Revised to S1-244685 | |  |
| Cont | [S1-244685](file:///D:\TSGS1_108_Orlando\docs\S1-244685.zip) | NICT, ESA | Use Case on Critical infrastructure Monitoring |  | | Revision of S1-244159. |
| Cont | [S1-244177](file:///D:\TSGS1_108_Orlando\Docs\S1-244177.zip) | ZTE | Use case on 3D factory model based XR guided task | Revised to S1-244686 | |  |
| Cont | [S1-244686](file:///D:\TSGS1_108_Orlando\docs\S1-244686.zip) | ZTE | Use case on 3D factory model based XR guided task |  | | Revision of S1-244177. |
| Cont | [S1-244179](file:///D:\TSGS1_108_Orlando\Docs\S1-244179.zip) | ZTE | Use case on Spatial Computing enabled Dynamic Material Management | Noted | | Postponed by the source company. |
| Cont | [S1-244181](file:///D:\TSGS1_108_Orlando\Docs\S1-244181.zip) | ZTE | Use case on Independent 6G local network for factory |  | | Still open |
| Cont | [S1-244183](file:///D:\TSGS1_108_Orlando\Docs\S1-244183.zip) | ZTE | Use case on Robots collaborative working in smart factory |  | | Still open |
| Cont | [S1-244432](file:///D:\TSGS1_108_Orlando\docs\S1-244432.zip) | MITRE | Discussion - USE CASE ON RESILIENT CRITICAL INFRASTRUCTURE | Noted | |  |
| Cont | [S1-244245](file:///D:\TSGS1_108_Orlando\Docs\S1-244245.zip) | MITRE | USE CASE ON RESILIENT CRITICAL INFRASTRUCTURE | Revised to S1-244433 | |  |
| Cont | [S1-244433](file:///D:\TSGS1_108_Orlando\docs\S1-244433.zip) | MITRE | USE CASE ON RESILIENT CRITICAL INFRASTRUCTURE | Revised to S1-244688 | | Revision of S1-244245. |
| Cont | [S1-244688](file:///D:\TSGS1_108_Orlando\docs\S1-244688.zip) | MITRE | USE CASE ON RESILIENT CRITICAL INFRASTRUCTURE |  | | *Revision of S1-244245.*  Revision of S1-244433. |
| Cont | [S1-244296](file:///D:\TSGS1_108_Orlando\docs\S1-244296.zip) | Huawei | Use case on smart construction | Revised to S1-244687 | |  |
| Cont | [S1-244687](file:///D:\TSGS1_108_Orlando\docs\S1-244687.zip) | Huawei | Use case on smart construction |  | | Revision of S1-244296. |
| Cont | [S1-244297](file:///D:\TSGS1_108_Orlando\Docs\S1-244297.zip) | Huawei | Use Case on communication on board of UAM aircrafts |  | | Still open |
| Cont | [S1-244247](file:///D:\TSGS1_108_Orlando\Docs\S1-244247.zip) | TOYOTA | Use case on End-to-End AI for connected cars | Moved to 8.1.7 | |  |
| Tdoc numbers NOT allocated during drafting session (admin purposes only) | | | | | | |
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| Summary of drafting session | | | | | | |
| *Highlight the following items:;* | | | | | | |
| Close | | | | | | |