

**Meeting room Newton, ESTEC, Keplerlaan 1, 2201 AZ, Noordwijk, the Netherlands**

Program for **Monday, 28 January 2019**, starting at 11:00h

Between 08:30h-11:00h registration and coffee

11:00h	<p>Welcome to ESA Satcom Final Presentation Days</p> <p>Intro to the ARTES Future Preparation sessions</p> <p>Overview of the Satcom market</p> <p>Satcom developments in China</p> <p>M2M/IoT developments</p> <p>Satcom and the next World Radio Conference 2019</p> <p>Upcoming ESA Ministerial Council in 2019 and ARTES 4.0</p>	<p>Carlo Elia – Head of Telecommunications Technologies, Products and Systems Department</p> <p>Andrew Murrell – Head of ARTES Future Preparations</p> <p>Philip Haines - Head of Market Analysis and Business Intelligence</p> <p>Clement Cesbron, Frank Zeppenfeldt – ARTES Future Preparations</p> <p>Damien Roques, Frank Zeppenfeldt – ARTES Future Preparations</p> <p>Steve Jones, Frank Zeppenfeldt – ARTES Future Preparations</p> <p>Xavier Lobao – Head of Future Projects</p>
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13:00h



14:00h	<p>Towards the convergence of terrestrial and satellite 5G communications</p> <p>5G Techno-economic impact on the satellite industry</p> <p>5G Market opportunity assessment for satellite</p> <p>5G SatCom: 3GPP standards update, migration &amp; interworking</p> <p>5G SatCom Getting Real</p>	<p>ESA</p> <p>Frederic Pujol – IDATE, Head of the radio technologies &amp; spectrum practice</p> <p>Thierry Lefort - PWC Strategy&amp;</p> <p>Cyril Michel - TAS-F, Georg Mayer - Chairman 3GPP TSG CT, Huawei</p> <p>ESA &amp; panel of presenters</p>
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16:00h



16:20h	<p>Constellations – introduction</p> <p>Latency impact on applications and services</p> <p>Applications of mega-constellations</p> <p>Design rules &amp; product assurance processes for future telecommunication satellites including mega-constellations</p> <p>System design considerations and simulations for mega-constellations</p> <p>Wrap-up and closure of the day</p>	<p>Andrew Murrell – Head of ARTES Future Preparations</p> <p>David Fernández Piñas – Indra, ESA Technical Officer - Damien Roques</p> <p>Fabio Tartara - Telespazio, ESA Technical Officer- Laurence Duquerroy</p> <p>Lilian Pinede - Thales Alenia Space, ESA Technical Officer - Michael Hadjitheodosiou</p> <p>Emiliano Re – RF Systems, Payloads and Technology Division</p> <p>Andrew Murrell – Head of ARTES Future Preparations</p>
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18:00h Welcome cocktail offered by ESA

19:30h Bus transport to main hotels in Noordwijk