**Galileo 7 & 8 launch Overview / VNR**

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| Image  | Text  |
| 10:00:10:00-Soyuz preparation in Kourou, March 2015- Galileo Sat 7 & 8 assembled in Kourou, March 2015 -IOV Graphics : 4 satellites on orbit with signals crossing | In Kourou, elements of the next Soyuz launch are being assembled: Galileo sat 7 and 8 will soon be sent on orbit The Galileo programme is solidly back on track for its deployment phase.At the end of 2013, Galileo successfully completed its in-orbit validation phase when ESA tested the system extensively using a mini-constellation of four satellites.  |
| 10:00:37:00-Images of first position fix, Navigation lab ESTEC, Noordwijk, The Netherlands – 12/03/13 - ESA- Images of the Navigation van –> outskirts of Leliestad, The Netherlands – 06/11/13 – ESA- Images: Small aircraft, pilot in cockpit–>- ESA | The first fix position based on Galileo signals only was a historical moment and the results of the test campaign, on roads, at sea or in the air, showed that the system design was good and sound - opening the door for the deployment of the rest of the constellation. |
| 10:00:55:00-Soyuz Galileo launch 22/08/2014 | Last August the launch of the first Full Operational Capacity satellites suffered from an injection anomaly, the two satellites being sent on an elliptic orbit instead of the circular one.  |
| 10:01:06:00- Images from Galileo sat recovered : Galileo Control Centre , Oberpfaffenhofen, Germany February 2015- Computed manoeuvres animations- Animation: Satellite fly-by, flying in formation - ESA | Hopefully, after intensive work, both satellites have been recovered. They are now on a quasi-circular orbit where they are tested to confirm that they are working perfectly. Analysis is on going on their future use in the overall Galileo system. |
| 10:01:22:00- New images from Kourou : preparation of Galileo Sat 7 & 8, March 2015 | That allowed a green light for continuation - in particular the launching of satellites 7 and 8, here under preparation in Kourou. |
| 10:01:30:00- Animations: launch and deployment in space of two Galileo satellites– solar pannels,constellation boosting.- Galileo Control Centre , Oberpfaffenhofen, Germany February 2015 | During this Deployment phase, Europe will be procuring another 22 satellites. Of course as the Constellation is completed: Galileo’s overall performance improves in terms of accuracy and availability.Therefore Galileo's early services could start based on 12 satellites.  |
| 10:01:50:00- animation : Full Galileo constellation–> ESA- Galileo Control Centre , Oberpfaffenhofen, Germany February 2015 | When fully deployed the Galileo system will be made a 30-satellite constellation associated to a major ground segment. |
| 10:01:58:00- Antenna from Galileo Control Centre, Fucino, Italy- Outdoor and indoor shots of Oberpfaffenhofen.- Outdoor and indoor shots, GCC, Fucino , Italy. | The provision of improved navigation services relies also on the deployment of ground stations.The Galileo system is controlled in space from two centres, one in Oberpfaffenhofen, Germany - which mainly manages the satellites - and one in Fucino, Italy, where the navigation message is generated and uplinked to the satellites via a network of remote stations distributed worldwide.  |
| 10:02:23:00- Graphics sat transmitting signals to the ground and ground segment with uplink antennas.  | The satellites then broadcast the navigation signals, including the latest message prepared by the ground segment. During this deployment phase, both centres are being upgraded so they can act as back-up for each other.  |
| 10:02:36:00- Images Galileo services + full Constellation- Timelapse from Galileo Sat 5-6 launch campaign, August 2014.- animation : deployment in space of two Galileo satellites, close up Galileo fly-by.-animation : full Galileo constellation. | With the successful In-orbit validation phase and the on-going deployment phase, and now the two Galileo satellites launched last summer showing they work properly, Europe’s Galileo Programme is well on its way. ESA and the European Union are taking another step forward in completing the Galileo constellation and offering navigation services to the users.  |

B Roll

**1503\_009\_BR\_002**

**10:03:00:00**

Galileo 7 and 8 : unloading from aircraft, Cayenne Airport, French Guyane. February 2015 (28 shots)

**1503\_009\_BR\_003**

**10:05:30:00**

Galileo 7 and 8 in clean room : Unloading containers and assembly process, Kourou, French Guyane. March 2015 (64 shots)

**1503\_009\_BR\_004**

**10:10:53:00**

Soyuz : unloaded from the boat, transported by trucks, assembled in Kourou, French Guyane. February, March 2015 (37 shots)

**10:15:17:00 end of b-roll.**