**Vega C Solid Motor Test**

The P120C was successfully tested for the second time on 28 January at the European Spaceport in French Guiana, on a dedicated test bench for solid rocket motors. It is a major step for the development of Ariane 6 and Vega-C as both launchers will be equipped with this new solid-propulsion motor.

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| 10:00:00 | ESA leader |
| 10:00:10 | Title: **VEGA C MOTOR TEST** |
| 10:00:10   * Ext. Aerial top shot BEAP – Europe spaceport, Kourou, French Guiana – 28/01/2019 – CNES * Ext. GV BEAP – Europe spaceport, Kourou, French Guiana – 28/01/2019 – CNES * Ext. Aerial top shot BEAP P120C QM1 firing test – Europe spaceport, Kourou, French Guiana – 28/01/2019 – CNES * Ext. GV BEAP P120C QM1 firing test – Europe spaceport, Kourou, French Guiana – 28/01/2019 – CNES * Ext. GV BEAP EST P120C QM1 firing test – Europe spaceport, Kourou, French Guiana – 28/01/2019 – CNES * Ext. Aerial BIP with P120C QM1 – Europe spaceport, Kourou, French Guiana – 28/01/2019 – CNES * Ext. Aerial P120C QM1 transfer from BIP to BEAP – Europe spaceport, Kourou, French Guiana – January 2019 – CNES * INT. Timelapse P120C QM1 transfer to BEAP – Europe spaceport, Kourou, French Guiana – January 2019 – CNES * Ext. GV BEAP P120C QM1 firing test – Europe spaceport, Kourou, French Guiana – 28/01/2019 – CNES * INT. Top Shot P120C QM1 transfer to BEAP – Europe spaceport, Kourou, French Guiana – 28/01/2019 – CNES * Ext. Aerial top shot BEAP P120C QM1 firing test – Europe spaceport, Kourou, French Guiana – 28/01/2019 – CNES * STILL. Vega C and Ariane 6 artist impressions – unknown date – ESA * ANIMATION. Vega C launch – unknown date – ESA * ANIMATION. Ariane 6 – unknown date – ESA | Rumble in the jungle of Kourou, French Guiana, as the P120C solid rocket motor was fired once more.  It was the second hot firing test for this large solid-propellant motor. A few weeks earlier the P120C was moved from the integration building to the dedicated test bench for solid propulsion stages.  The burn lasted 2minute 15 seconds and the motor generated its maximum thrust of 4650kN (kilonewton), a performance that met all expectations.  After the successful test last June this is another major step in the development of ESA’s future launchers Vega-C and Ariane 6.  For Vega-C the P120C will serve as the first stage of this new lightweight launcher increasing Vega’s performance significantly. For Ariane 6, which should launch in 2020, the P120C will be used as the strap-on boosters of Europe’s new flagship launcher. |
| 10:01:19:06   * ANIMATION. Ariane 6 and Vega-C with common P120C – unknown date – ESA * INT. Avio factory, Vega Solid prop. rockets – Colleferro, Italy – 2018 – AVIO * INT. Avio factory, casting of the casings – Colleferro, Italy – 2018 – AVIO * INT. P120C nozzle factory – unknown location – june 2018 - ESA/ArianeGroup | The versatility of this solid rocket motor is an example of rationalization and of innovative thinking, allowing Europe to equip two completely different launchers with the same stage. With P120C ESA and its industrial partners can optimise costs and ensure shorter production cycles through simplified launcher design. |
| 10:01:43:06   * ANIMATION. P120C, Europropulsion, AVIO and ArianeGroup – jan 2019 – ESA * EXT. BEAP P120C DM firing test – Europe spaceport, kourou, French Guiana – July 2018 – CNES * ANIMATION. Vega C launch – unknown date – ESA * ANIMATION. Ariane 6 – unknown date – ESA | The P120C is a completely new solid rocket motor developed Europropulsion, a joint venture between by Avio and the ArianeGroup.  With two flawless test firings the P120C will be subjected to one more test in Kourou to qualify this motor for Ariane 6’s maiden flight as this requires a different configuration.  With Vega-C and then Ariane 6 ESA will soon offer improved, flexible and reliable launch systems for the commercial and institutional market worldwide, while at the same time securing independent access to space for Europe. |
| 10:02:27:22 | **B-ROLL** |
| 10:02:27:22   * Ext. GV P120C Motor second firing test BEAP EST - Europe Spaceport, Kourou, French Guiana - 28/01/2019 - CNES | **GV P120C Motor second firing test**  **BEAP - EST**  **Europe Spaceport, Kourou**  **French Guiana** |
| 10:04:53:12   * Ext. GV P120C Motor second firing test Acces camion - Europe Spaceport, Kourou, French Guiana - 28/01/2019 - CNES | **GV P120C Motor second firing test**  **BEAP - Acces Camion**  **Europe Spaceport, Kourou**  **French Guiana** |
| 10:07:21:05   * Ext. GV P120C Motor second firing test Helicopter view - Europe Spaceport, Kourou, French Guiana - 28/01/2019 - CNES | **helicopter view**  **P120C Motor qualification firing**  **Europe Spaceport, Kourou**  **French Guiana** |
| 10:07:46:19   * Ext. aerialP120C transfer from BIL to BEAP - Europe Spaceport, Kourou, French Guiana – January 2019 - CNES | **Aerial view**  **P120C transfer from BIP to BEAP**  **Europe Spaceport, Kourou**  **French Guiana** |
| 10:10:08:09   * Ext. aerialP120C second firing test - Europe Spaceport, Kourou, French Guiana – 28/01/2019 - CNES | **Aerial view**  **P120C Motor qualification firing**  **Europe Spaceport, Kourou**  **French Guiana** |
| **10:12:06:19** | **ESA OUTRO** |
| **10:12:17:13** | **END** |