



# ARIANE 6 USERS' CLUB JAMBOREE SESSION 2017

WRAP-UP

Les Mureaux – Vernon  
September 7<sup>th</sup> & 8<sup>th</sup>, 2017

## IN A NUTSHELL

Open & Constructive discussions

# Ariane 6

## Program Status

### Transition Phase

## Mission & Performance

### Operations Payload comfort



THIS DOCUMENT AND ITS CONTENT ARE PROPERTY OF ARIANEGROUP.  
IT SHALL NOT BE COMMUNICATED TO ANY THIRD PARTY WITHOUT THE OWNER'S  
WRITTEN CONSENT | ARIANEGROUP [HOLDING/SAS/GMBH] – ALL RIGHTS RESERVED.



## ARIANE 6 - PROGRAM STATUS

**Program on-track for 1<sup>st</sup> launch July 16<sup>th</sup>, 2020**

Key milestones:

1. Vulcain 2.1 firing test from October 2017
2. Vinci qualification campaign end of November 2017
3. MG6.2 in November-December 2017: authorize start of serial production
4. P120C 1<sup>st</sup> firing test in April 2018
5. MG7 in June 2018: end of critical design
6. Technical Qualification in September 2019 and start of combined tests in November 2019

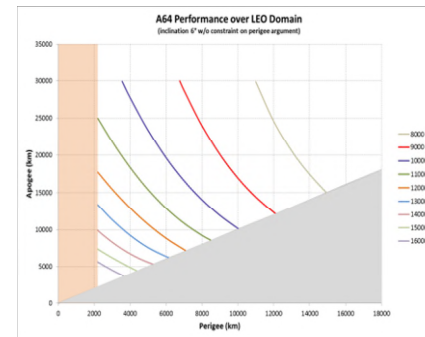
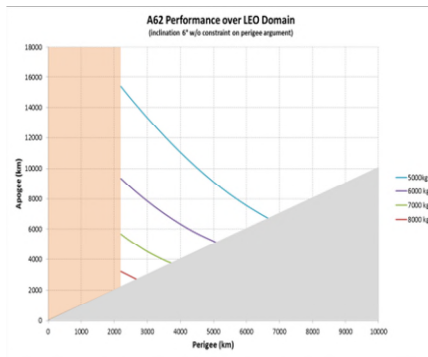


## ARIANE 6 - TRANSITION PHASE

- Ariane 62 / Ariane 64 targeted prices 85M\$ / 130M\$ for a standard commercial service
- Adapted Terms & Conditions / LRG: Arianespace ready to discuss
- Seminar with insurers scheduled on September 14<sup>th</sup>, 2017
- Ariane 5/Soyuz/Ariane 6 transition: ramp-up and ramp-down according to market needs
- Compatibility analyses already started:
  - Coupled loads analysis from April 2018

# ARIANE 6 - MISSIONS & PERFORMANCES

- Performances in LEO, MEO and GEO improved and confirmed
- Upper stage versatility upgraded based on Vinci re-ignition and APU capabilities
- Improved accommodation flexibility for dual launch (Dual Launch System +/- 1m)



→ Introduced in Ariane 6 Users Manual end 2017

## ARIANE 6 – PAYLOAD COMFORT & QUALIFICATION

- Acoustic specifications confirmed
- Shock: no issue
- QSL specification according to payload mass
- Improved qualification logic, initiated on Ariane 5
- Environment specifications adjusted on a regular basis with flight experience



→ Introduced in Ariane 6 Users Manual end 2017

## ARIANE 6 – OPERATIONS

- Launch campaign and COP durations confirmed
- Segregated regulated thermal control of upper and lower compartments
- New P/L container under development (CCU4)
- S5 extension with Encapsulation Hall under study upon your request





arianespace  
ariangroup

ARIANE 6 USER'S CLUB  
7TH & 8TH SEPTEMBER 2017  
Les Mureaux & Vernon

**D - 1042**

Presentations will be made available on Arianespace website