

American Institute of Aeronautics and Astronautics

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Aerospace News

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Sister Sections since 2007

l'Association Aéronautique et Astronautique de France (3AF)

3AF MP (www.3af-mp.fr) Philippe Mairet

AIAA Houston Section (www.aiaahouston.org) Douglas Yazell

AIAA Houston Section International Activities Committee (IAC) mirrors the AIAA IAC.

NASA's First Flight With Crew Will Mark Important Step on Journey to Mars [NASA article, December 1, 2016]

[Douglas Yazell] [Editorial]

Manned is a word not used in this December 1, 2016 NASA news article (at right). But mainstream news sources including NASA and AIAA still use the word Manned in a bad way too often. Even the acronym UAV uses the word Manned! Maybe the word Drone will be a good replacement for the acronym UAV.

Systemic and institutional harm and insults can become cultural, but they can on rare occasions be changed quickly. Diversity appears to be a vague and voluntary alternative to affirmative action to bring fairness into hiring and education, a responsible government protective policy in the presence of a history of both harmful and affirmative action in government policy. Quite of a few of those harmful policies still exist in the USA.

Manned? Even for UAVs? Words matter.



Mission Profile for First Crewed Flight of Orion

MTLI-Free Minimum Mission (~8 days)
Ascent & LEO Parking Orbit (2-3 hours)

HEO Demonstration Orbit (1 day)

EUS Disposal

(11) Entry 8

(5) TLI-2 Orion

Landing

(1) Launch

(2) ARB *EUS*

Lunar Outbound (3.4 days)

Cislunar Destination (0 days, Flyby)
Lunar Return (3.5 days)

(10) RTC Maneuvers

(6) OTC Maneuvers
Orion

(4) CPL Deploy, EUS Disposal

(3) Orion Separation (HEO) EUS Disposal TLI-1 EUS (no maneuver) Orion

(9) Free Return

(8) Lunar Flyby
Variable targeted flyby altitude

(7) CPL Orbital Insertion
Co-Manifested Payload

Acronyms:

ARB. apogee raise burn

CPL: co-manifested payload EUS: Exploration Upper Stage

HEO: high Farth orbit

MTLI: multi translunar injection
OTC: outbound trajectory correction
RTC: return trajectory correction

TLI: trans-lunar injection

[One more thing!]
International
Partnership with
Europe Extended for
Space Station, Orion.
[NASA article,
December 5, 2016]



