Introduction to
Lunar Capability Concept Review

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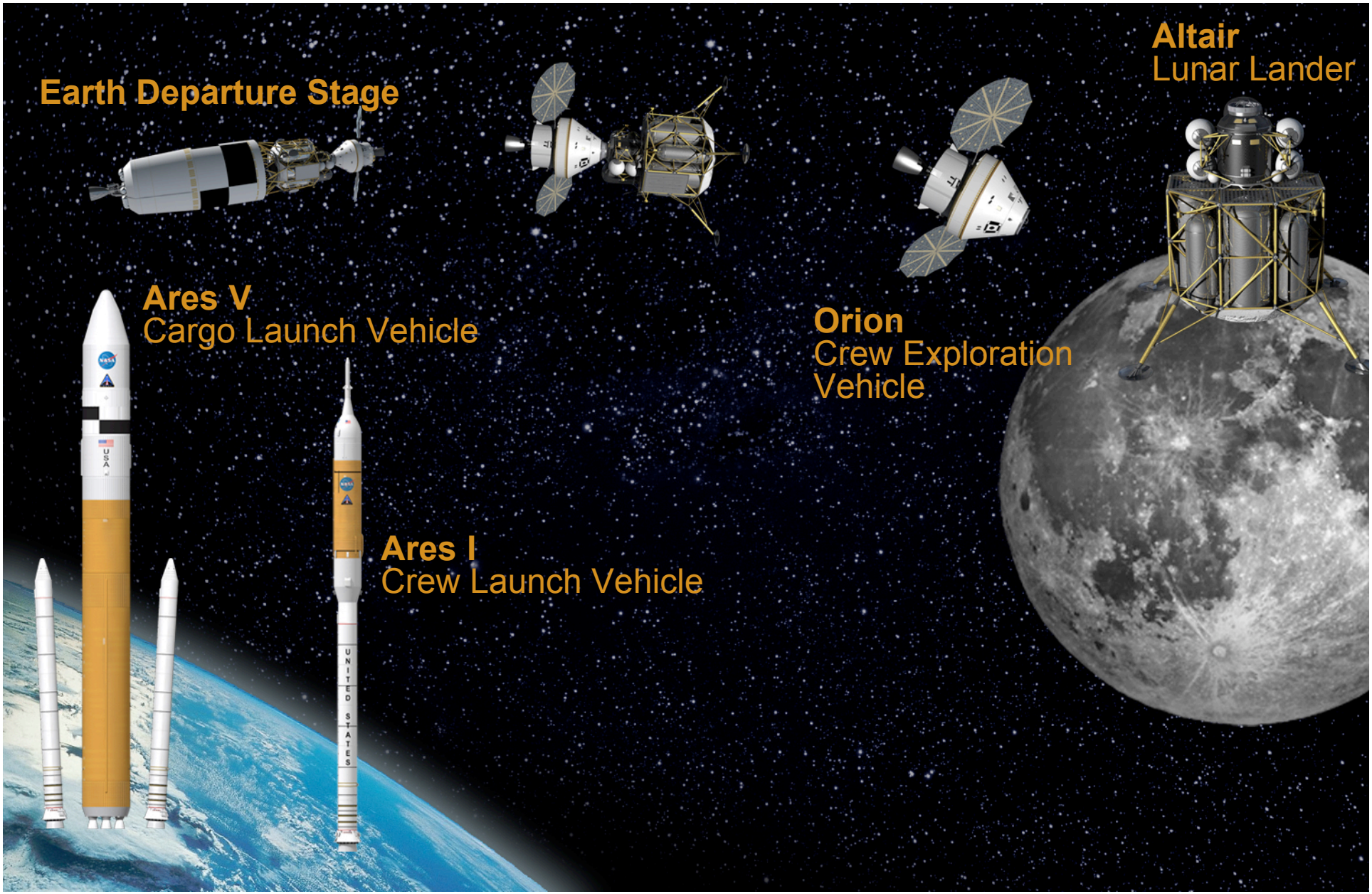
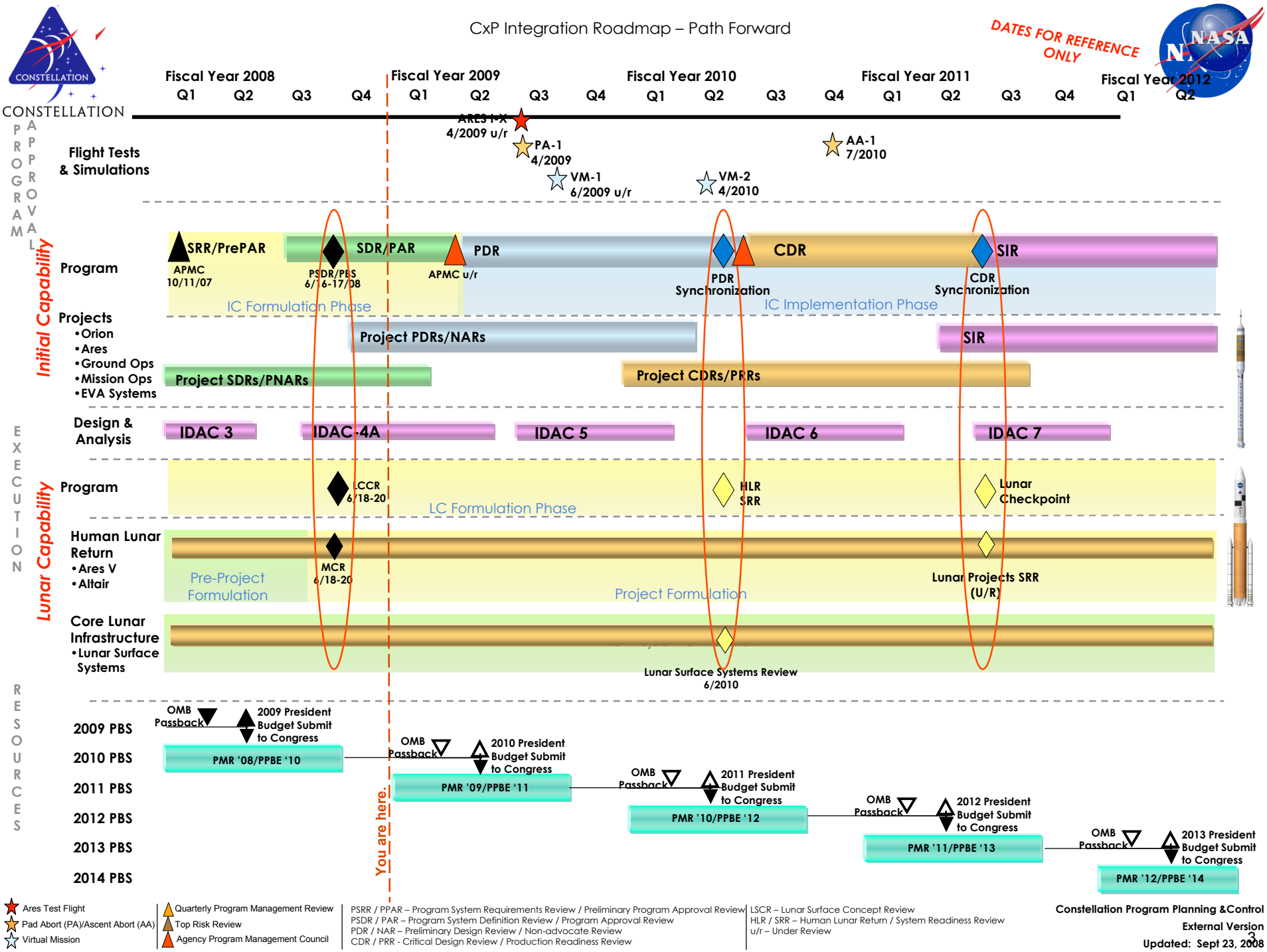
Manager, Constellation Program

CONSTELLATION

The New Fleet for Space Exploration




CxP Integration Roadmap – Path Forward
DATES FOR REFERENCE ONLY
CONSTELLATION
Fiscal Year 2008
Fiscal Year 2009
Fiscal Year 2010
Fiscal Year 2011
Fiscal Year 2012
Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4 Q1 Q2
PROGRAM APPROVAL
Flight Tests & Simulations
ARES I-X 4/2009 u/r
PA-1 4/2009
VM-1 6/2009 u/r
VM-2 4/2010
AA-1 7/2010
Initial Capability
Program
SRR/PrePAR
APMC 10/11/07
SDR/PAR
PSDR/PBS 6/16-17/08
PDR
APMC u/r
CDR
PDR Synchronization
SIR
CDR Synchronization
IC Formulation Phase
IC Implementation Phase
Projects
•Orion
•Ares
•Ground Ops
•Mission Ops
•EVA Systems
Project PDRs/NARs
SIR
Project SDRs/PNARs
Project CDRs/PRRs
EXECUTION
Design & Analysis
IDAC 3
IDAC-4A
IDAC 5
IDAC 6
IDAC 7
Lunar Capability
Program
LCCR 6/18-20
HLR SRR
Lunar Checkpoint
LC Formulation Phase
Human Lunar Return
•Ares V
•Altair
MCR 6/18-20
Pre-Project Formulation
Project Formulation
Lunar Projects SRR (U/R)
Core Lunar Infrastructure
•Lunar Surface Systems
Lunar Surface Systems Review 6/2010
RESOURCES
2009 PBS
2010 PBS
2011 PBS
2012 PBS
2013 PBS
2014 PBS
OMB Passback
2009 President Budget Submit to Congress
PMR '08/PPBE '10
OMB Passback
2010 President Budget Submit to Congress
PMR '09/PPBE '11
OMB Passback
2011 President Budget Submit to Congress
PMR '10/PPBE '12
OMB Passback
2012 President Budget Submit to Congress
PMR '11/PPBE '13
OMB Passback
2013 President Budget Submit to Congress
PMR '12/PPBE '14
You are here.
Ares Test Flight
Pad Abort (PA)/Ascent Abort (AA)
Virtual Mission
Quarterly Program Management Review
Top Risk Review
Agency Program Management Council
PSRR / PPAR – Program System Requirements Review / Preliminary Program Approval Review
PSDR / PAR – Program System Definition Review / Program Approval Review
PDR / NAR – Preliminary Design Review / Non-advocate Review
CDR / PRR - Critical Design Review / Production Readiness Review
LSCR – Lunar Surface Concept Review
HLR / SRR – Human Lunar Return / System Readiness Review
u/r – Under Review
Constellation Program Planning &Control
External Version
Updated: Sept 23, 2008