EVA Risk Approach Plan

Today

| 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | 2028 | 2029 | 2030 | 2031 | 2032 | 2033 | 2034 |

Start 10/1/19

High LxC 8/1/13 - 9/30/27

Mid LxC: Requires Mitigation 9/30/27 - 9/30/34

Finish 9/30/34

HHC-EVA

Interim review of ISS 1YM study 9/29/23

EVA Injury Assessment tool 12/31/24

(HHC-EVA) EVA Fitness for Duty Standard & Con Ops 9/30/27

EVA Mars Test Validation (SCHEDULE ENDS) 9/30/34

Risk Characterization / Formulation

HRR Gap: research logic description

EVA-101: Determine limitations of EVA performance and physiological metrics shortly post-landing on a planetary surface (with compromised physiology based on flight duration).

EVA-201: Evaluate EVA performance and physiological/cognitive metrics, and injury risk, when EVAs are conducted in a variable pressure suit.

✖ EVA Program

External Deliverables

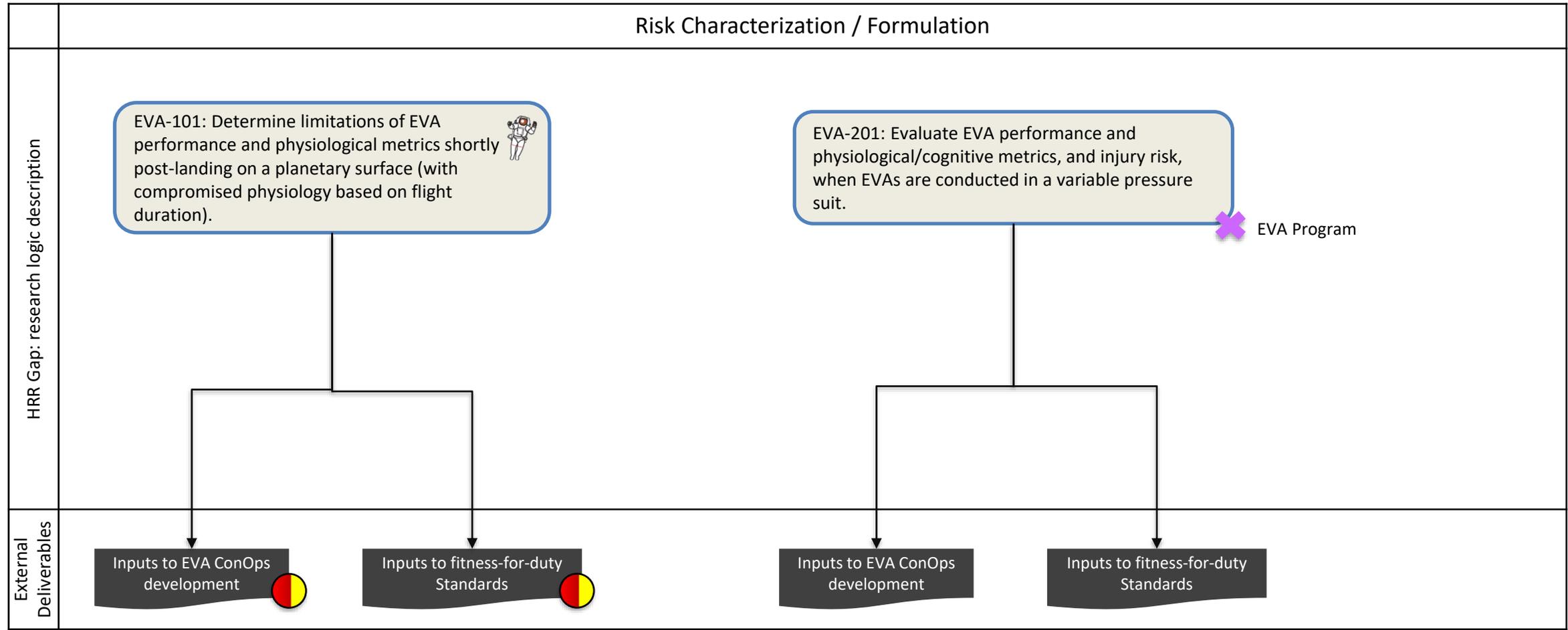| Inputs to EVA ConOps development | Inputs to fitness-for-duty Standards | Inputs to EVA ConOps development | Inputs to fitness-for-duty Standards |

Note: Milestones (◆) and Gap Closures (⬢) are Program reviews with defined entry/exit criteria.

Legend: 🛰 Analog | 🧑‍🚀 Flight environment | ✖ Cross Element Integration | 🔴🟡🅰 Anticipated PRR Color Change