



**G: Ground Study**



**Early Start**



**6) Technology**



**F: Flight Study**



**Task To Be Determined After Decision Point**



**7) Countermeasure**



**L: Lunar**



**Major Milestone/Event/Accomplishment**



**8) Information To/From other Elements**



**NSBRI**



**1) Risk Characterization**



**9) Information to HSRB**



**DA&M: Data Analysis & Modeling**



**2) Task↓↑Task**



**10) Requirements**



**FP: Flight Prep**



**3) Standards - New**



**11) Study**



**AO: Add on to another study**



**4) Standards - Update**



**Major Decision Point**



**Planned/unfunded**

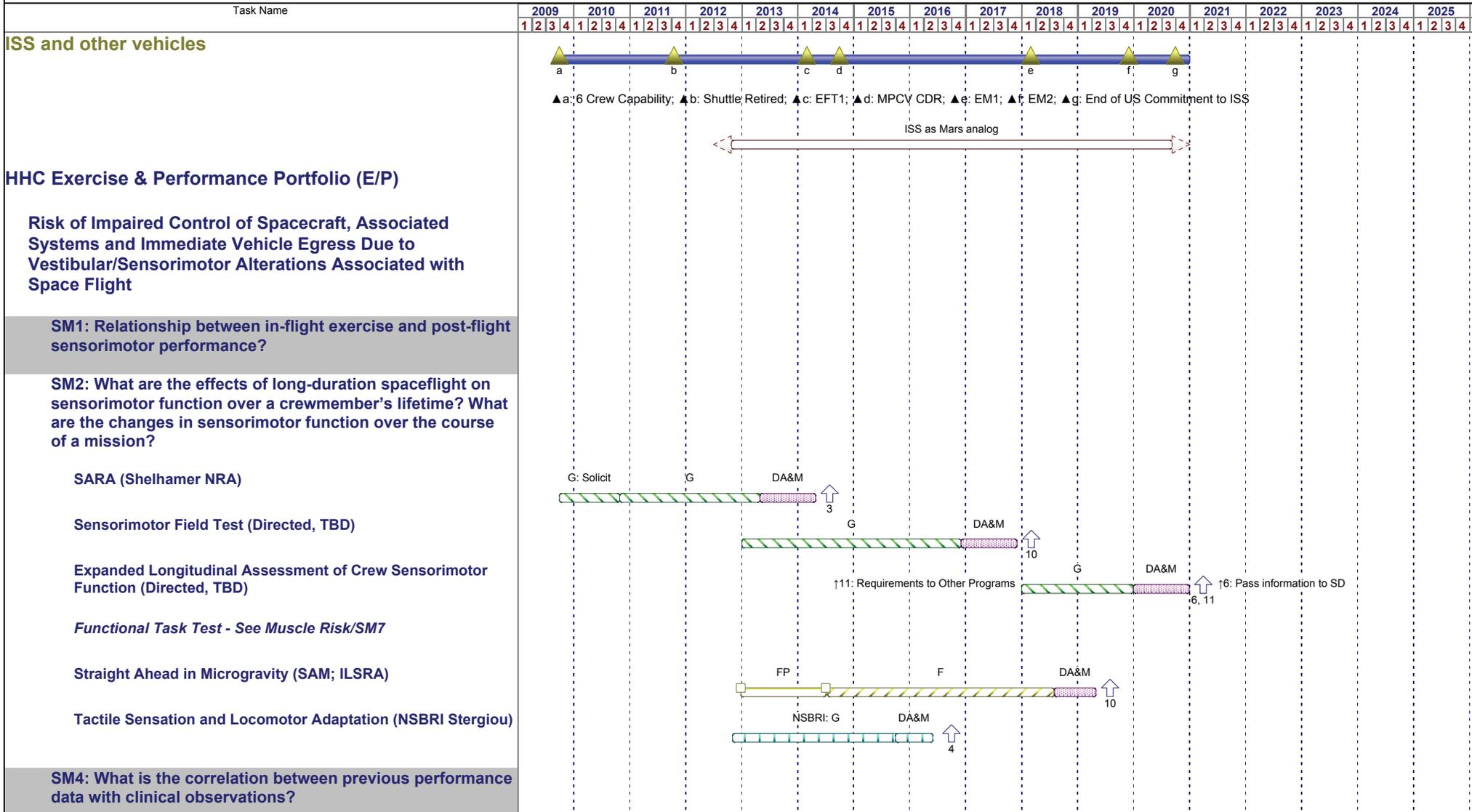


**5) Tools**



**Stop**



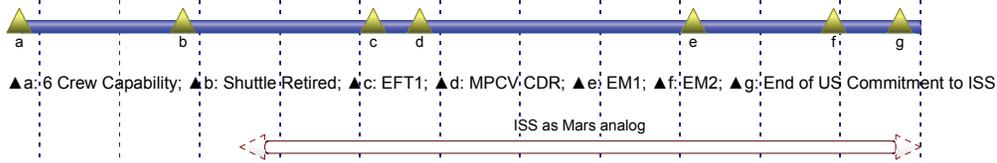




Task Name

ISS and other vehicles

2009				2010				2011				2012				2013				2014				2015				2016				2017				2018				2019				2020				2021				2022				2023				2024				2025			
1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4



HHC Exercise & Performance Portfolio (E/P)

Risk of Impaired Control of Spacecraft, Associated Systems and Immediate Vehicle Egress Due to Vestibular/Sensorimotor Alterations Associated with Space Flight

SM6: Can a seated manual/visual performance assessment after long-duration spaceflight be completed?

ZAG/Otolith (Clement/Wood ESA Joint study)

Manual Control (Moore/Wood NRA)

CM Egress (Mulavara NRA)-NSBRI

GVS (Moore NRA)-NSBRI

Interface Design (Stone NRA)-NSBRI -refer to SHFH

SM Adaptation (Bloomberg NRA)-NSBRI

Development of Countermeasures to Enhance Sensorimotor Adaptation - ISS Flight Validation (Directed, TBD)-NSBRI

New SMS Countermeasures in a Flight Analog [SMS CM Analog] (NRA, TBD)

New SMS Countermeasures in Spaceflight [SMS CM Flight] (NRA, TBD)

