ANALOG STUDY
RESOURCE WORKSHEET

I. Strategic Planning Information

a. Principal Investigator:

b. Investigation/Activity title:

c. Investigation/Activity objective:

d. HRP Risk/Gap/Task/Deliverable the study addresses:

e. Study Duration:

f. Study Need Date:

g. Number of subjects?

h. Can data from subjects be collected over multiple missions/campaigns?

i. Is the study endpoint flight? If yes, which increment:
II. Tactical Planning Information

a. Subject Information

1. Gender preference of subjects? M □  F □  No preference □
2. Gender distribution of subjects? One gender □  50/50 mix □  No preference □
3. Age range of subjects?
4. Describe required fitness level of subjects (e.g., good health with no history of cardiovascular, neurological, gastrointestinal, or musculoskeletal problems):
5. Describe required professional qualifications of subjects:

b. Subject Inclusion/Exclusion Criteria

1. Please specify any inclusion criteria:
2. Please specify any exclusion criteria:

c. Facility Requirements

1. Is specialized hardware required for this study (e.g., test equipment, laboratory equipment, tooling)?:
2. Is shipping support required to deliver the hardware to the analog?  
   Yes □  No □
   *If yes, please provide specific information and details:
3. Is setup support required for the hardware when it arrives at the analog?  
   Yes □  No □
   *If yes, please provide specific information and details:
4. Is software required (e.g., Commercial Off The Shelf, Custom)?

5. Is connectivity required for PI/Test team (e.g., access to NASA systems, networks, applications)? Yes [ ] No [ ]

6. Are there special badging considerations (e.g., foreign national)?

7. Identify which analog environment (Controlled Analog Environment or Field Mission) best suits your research objectives:

   Controlled Analog Environment [ ] Field Mission [ ]

   For Controlled Analog Environment, please indicate which of the following will be required or highly desired for your study:

   Is your study compatible with the stated HERA mission parameters? Yes [ ] No [ ]

   If No, please indicate what characteristics for a Controlled Analog Environment are needed that are not present in HERA:

   a. specific lighting conditions
   b. physical isolation required:
   c. required space for habitability of environment:
   d. volume characteristics of environment required:
   e. personal space required:
   f. specific team size requirements:
   g. leadership requirements of crew:
   h. team structure of crew required:
   i. rest & recreational options required:
   j. quality of life support conditions required:
   k. workload requirements:
   l. mission duration:
   m. requirements for communication with outside world:
   n. level of external ground control:
   o. task relevance:

   p. Other characteristics required:

8. For implementation within an existing Field Mission, please indicate which of the following will be required or highly desired for your study:

   a. specific lighting conditions
   b. physical isolation required:
   c. personal space required:
   d. specific team size requirements:
e. leadership requirements of crew:
f. team structure of crew required:
g. rest & recreational options required:
h. workload requirements:
i. mission duration:
j. requirements for communication with outside world:
k. level of external ground control:
l. task relevance:
m. Are extreme environment/conditions required to meet study objectives? Yes □ No □

*If yes please identify those conditions(e.g. unable to reach medical treatment within an hour, extended time in a saturation dive, inability to return quickly, dangerous or hazardous operations, etc.):

n. dangerous environment (environment that has a threat of injury or death to a subject that is similar to a space flight environment):
o. other characteristics required
9. Identify simulation requirements (e.g., confinement, fractional gravity, isolation from outside world (difficult logistics), limited local infrastructure, remote communications, autonomous operations, autonomous medical care or “telemedicine”, Moon/Mars – relevant field/EVA activities, Lunar surface, Martian surface)

10. Does the study require timely return of hardware or data? Yes □ No □

*If “Yes”, explain the nature of the requirement and the impacts if it cannot be met. Also indicate if early retrieval of items, special handling for samples (e.g., conditioned), encrypted data delivery, or hazardous shipment are required:

11. Is subject training and/or baseline data collection (BDC) required for implementing any tests? Yes □ No □

*If yes, please give a brief summary of the plan for providing any required training/BDC:

d. Technical Expertise

1. Will the PI or their representative be present during the test/activity or resident at the analog location during the study? Yes □ No □

*If no, please give a brief summary of the plan for providing any required technical expertise necessary for performing the study.