

Managing Moonbase: The Prerequisites

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Prerequisites

- **Mission**
- **Objectives**
- **Tasks & Responsibilities**
- **Limits**

Mission

- **Definition:** Need to define mission of Base in an intelligent manner – what is purpose of base – to do a particular task or to support men to do/oversee many tasks?
- **Proposed Mission:** Moonbase will manage, provide a hospitable environment, and be a safe haven for human resources on the Moon
- **Is Moonbase a classic “Public Good”?**

Objectives

- **Support varied Public and Private institutions, projects and initiatives**
 - **Need Moonbase support/subsidy?**
 - **Buy Services from Moonbase?**
- **Provide**
 - **Base and habitation for others' human resources?**
 - **Human resources?**
- **Supply basic utilities or have them supplied by specialized entities for which Moonbase is one of many customers?**
 - **Oxygen**
 - **Communications**
 - **Electrical energy**

Tasks & Responsibilities

- **What should Moonbase do on a daily basis?**
 - **Produce Oxygen**
 - **Produce Propellant**
 - **Produce Water**
 - **Mine He? H? other substances?**
 - **Construct power plants and generate power?**
 - **Provide power to lunar projects, to space based projects, to earth?**
 - **Provide data storage/retrieval to earth, to lunar projects?**
 - **Provide communications services to lunar projects, to space based projects, to earth? Manage such services?**
 - **Operate a collection of observation platforms for astronomers, for geologists, for climatologists?**
 - **Manage use of lunar resources?**
 - **Manage artistic creations on the Moon?**
 - **Manufacture Technology? For lunar or non-lunar use?**

Limits

In considering the requirements for managing Moonbase, suggest that we not lose sight of the following critical factors:

- **Moonbase can't do everything, so what it does needs to be directly related to its Mission and Objectives**
- **In part, its management will be a function of Structure – legal, economic, technical – so we need to exercise care in imposing Structure**
- **Public interest is not private interest**
- **Confusing Objectives with Tasks & Responsibilities, while not uncommon, could be deadly to the goal of a permanent presence for mankind on the moon**