## Area System: <System Name> MAP L2 Manager: <Manager Name> Sub-System: <Sub-System Being Described> Revision Date: <Date>

## Introduction

Briefly describe the role of the sub-system corresponding to this “concept specification.”

## Design Requirements

Briefly describe the requirements and design concept for the sub-system. Include tables of parameters as appropriate.

## Sub-System Parameters

Table 1: Preliminary parameters for <Area System>:<Sub-system1>

|  |  |  |
| --- | --- | --- |
| Parameter | Units | Value |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |

Table 2: Preliminary parameters for <Area System>:<Sub-system2>

|  |  |  |
| --- | --- | --- |
| Parameter | Units | Value |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |

Add further tables if needed.

## Technology Requirements

Briefly describe the technologies required for the sub-system in the following table. Categorize each of the technologies according the following rankings, which describe its feasibility:

1. Standard technology;
2. Technology which is a direct extrapolation from existing designs;
3. Technology which is sufficiently novel that a detailed engineering concept will be required and for which an engineering prototype demonstration may be necessary;
4. Technology which will require an R&D program to guide a successful design;
5. Technology which may require dedicated testing with beam in order to validate its design and operation.

Table 1: List of required sub-system technologies and their Feasibility Ranking

|  |  |
| --- | --- |
| Technology | Feasibility Rank |
| <Technology> | <Rank> |
| Detailed Description: | |
| <Technology> | <Rank> |
| Detailed Description: | |
| <Technology> | <Rank> |
| Detailed Description: | |
| <Technology> | <Rank> |
| Detailed Description: | |

Add further rows as needed.