**Data Item Description**

**Life Cycle Cost Report**

**ILS-043-010**

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| **DATA ITEM DESCRIPTION** |
| 1. **TITLE**

Life Cycle Costing Report | 1. **IDENTIFICATION NUMBER**

ILS-043-010 |
| 1. **DESCRIPTION / PURPOSE**

The Life Cycle Costing (LCC) report must describe the approach and methodology used to estimate the required sustainment and disposal costs elements. The report must describe the analysis conducted and provide the results obtained. Additionally, the report must supply the cost breakdown, summary and the associated risk and uncertainty analysis. |
| 1. **REFERENCES**

Attachments: NilReferences: This DID must be read in conjunction with the appropriate paragraphs of the Statement of Work, Subcontract Data Requirements List and any references cited in the DID. |
| 1. **FORMAT**

The following formatting guidelines must be considered when preparing the deliverables.* 1. Unless a specific template is provided by VSY, the deliverables may be prepared in Supplier’s format upon review and approval by VSY.
	2. The format shall not impose any restriction on searching, editing, copying, or printing.
	3. The information shall be provided in English and in French, if available.
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| 1. **CONTENT**
	1. The LCC Report shall be broken down into the following chapters.
		1. Descriptions of approach and methodology used (e.g. utilization, Service Sub-Contract [ISSC] SOW).
		2. Description of data sources, uncertainties, assumptions and justifications.
		3. Sustainment Cost Analysis.
		4. Disposal Cost Analysis.
	2. Summary of amortized LCC per fiscal year. The following must be considered when developing the LCC chapters:
2. Descriptions of approach and methodology used including the basis for calculation and relationship between the sustainment costs and applicable furnished information (e.g. utilization, ISSC SOW);
3. All assumptions utilized in the calculations of the LCC cost elements estimates and uncertainties around the LCC cost estimates;
4. A description of the breakdown categories of the sustainment cost estimates including, as a minimum, for both in ISSC and Organic Support:
* Management cost.
* Maintenance support cost.
* Supply support cost including spares, storage and transportation.
* Technical Data Package maintenance costs; and
* Engineering support cost.
1. A description of the breakdown categories of the disposal cost estimates including, as a minimum, the following:
* Management and disposal certification costs;
* Removal and disposal costs of any Controlled Goods;
* Removal and disposal costs of hazardous material;
* Towing costs;
* Cutting and scrapping costs; and
* Credit for scrap metal value. Removal, disposal or recycling cost.
* Special considerations for safety and hazardous material / equipment.
1. A description and summary of the LCC data sources utilized, describing:
	* + Why each data source is relevant and applicable to the Ship; and,
		+ The known limitations inherent in the data.
2. A description of the LCC cost estimates summary against a yearly expenditure as per fiscal year.
	1. Each chapter of the LCC data report described above must contain the following with respect to the uncertainty analysis:
3. A description of the processes and methods utilized for execution of the uncertainty analysis against the developed LCC cost estimates;
4. Justifications of the uncertainty ranges determined for each line item of the LCC cost estimate;
5. Uncertainty is to be represented by an upper percentile and lower percentile range away from the Contractor-provided cost estimates.
	1. The LCC Report shall include all information required for general understanding and shall define all special terms and acronyms used.
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