1. PURPOSE

The purpose of this project is to have a standardized data manual for synchronizing the data across all the offices of iRobot Corporation.

2. AUTHORITY RESPONSIBLE

The authorities responsible are the executives involved in the asset management and executives from the enterprise data team (IT Infrastructure) as they have full access of the data and reports from across the different offices. Further they will have to evaluate the needed technology, team size and time for the project along with the project manager and report it to CIO to get the approval.

3. BACKGROUND

This project will help in generalizing the data and reports generated across all the offices of iRobot Corporation around the world (including EMEA and USA), irrespective of diverse native languages and currencies. The data generated across EMEA offices of iRobot do not have a standardized format and hence it becomes difficult compiling it in the system and gaining insights from the same. This project will ensure that there is no inconsistency in the data generated and stored and will help in gaining insights by performing analytics on the same providing efficient outtakes and help in forecasting the sales trends for the company.

4. PROJECT OBJECTIVES

The project intends to provide a consolidated data manual with a standard template of reports for efficient data collection across all the offices of iRobot Corporation. This consolidated data manual will help the company in understanding its strength by processing cleaner data and then consolidating it to the company base. The main effort and cost would be for the resources and time needed to build this consolidated data manual as well as the data centers needed to process the data integration. But these costs will be outweighed by the benefits, once the data manual is developed and is used.

5. SCOPE

The major deliverable of this project is a consolidated Data Manual for iRobot corporation consisting of the data from across all its offices. This deliverable will largely depend on the machines and the integration techniques and tools used along with the algorithms run to pre-process the data and the major historical data. The impact/ major dependencies would be the data (both current and historical) which will be needed for the implementation and the integration tool used for the consolidation to generate a standardized data manual template.

6. CONSTRAINTS

One major constraint would be the availability of data from across all the offices for consolidation and the space to store it. A lot of this data would need cleansing and hence tackling a large volume of data present in diverse format can cause several delays in deciphering and finally processing it. Another issue can be the fatal crash which can cause loss of data. This issue can be monitored and solved with time using careful preventive measures and coding help.

7. INTERFACES

All the company data comprising of internal data, employee data, purchase and sales orders and the reports generated along with any historical data will be needed for this project. Integration tools such as Snaplogic will be used to access data from the offices across the world along with cloud services and algorithms to cleanse and process it.

8. QUALITY EXPECTATIONS

This project will help in accessing data from across all the offices affiliated with iRobot Corporation faster and will also assist in generating better quality reports using a standard template. This will enable to produce excellent quality standard insights and analytics within a shorter timeframe and with a greater accuracy.

9. OUTLINE BUSINESS CASE

The justification for undertaking this project is to be able to provide a standardized data storage for all the data belonging to iRobot Corporation so as to be able to access this data within short time and without any data loss and the need to switch to modern technology to be able to perform better data synchronization on humungous volume of data.

10. CUSTOMERS AND USERS

All the employees of companies belonging to iRobot Corporation, irrespective of their locations (USA, EMEA etc) will be its main users.