Context Diagram

Site\_Contact REMOVE

Data\_serviceRep

WeaSta\_Data

Preventive-

Maintenance

System

Data Quality Team

Site Manager

Tech\_Permission

Technician

Weather Station

Tech\_Maintenance

List\_WeatherStation

Maintenance\_Fix

Working\_Confirmation Check status

Diagram 0

Technician

Tech\_Maintenance

Maintenance on Broken Weather Station

3

WeaSta\_Data

Weather Station

2

Weather Station Entry Handling

Data\_serviceRep

Service Report Handling

1

Working\_Confirmation

Tech\_Permission

Data Quality Team

\*Use case

\*Check Monitor WS

\*Request M

File\_WeaStaEntry

Maintenance\_Fix

Entries

\*Trigger & response

File\_WeaStaServiceReport

Service Reports

Site Manager

Site\_Contact

List\_WeatherStation

Diagram 1

Requested\_serviceRep

1.4

Data\_serviceRep

Service Report Read/Search

Data\_serviceRep

Data\_serviceRep

Data\_serviceRep

Service Report read

Service Report Deletion

1.2

Service Report Creation

Technician

File\_WeaStaServiceReport

File\_WeaStaServiceReport

1.3

Service Report Update

File\_WeaStaServiceReport

Service Report

1.1

File\_WeaStaEntry

Diagram 2

WeaSta\_Data

Weather Station

Tech\_Permission

Tech\_Permission

2.2

Weather Station Entry Update & Deletion

2.3

2.1

Weather Station Entry Creation

Technician

File\_WeaStaEntry

Tech\_Permission

File\_WeaStaEntry

Entries

Weather Station Entry Read or Search

File\_WeaStaEntry

Diagram 3

Conversation Log

Convo\_Data

3.2

Technician

Maintenance\_Fix

Troubleshoot through the phone with Site Manager

List\_WeatherStation

Alert System to provide list of broken weather machine

3.1

Maintenance\_Location

Maintenance\_Fix

Site\_Contact

Weather Station

Site Manager

WeaSta\_Stat

3.5

Working\_Confirmation

Double Checking of weather station after maintenance

3.3

Maintenance\_Fix

Scheduling for the site visit

Confirmation Log

Maintenance\_Fix

3.4

Data Quality Team

Troubleshoot through site visit to the site

List Available Techs

Time of Site Visit

Needed on the Data Flow:

Process for scheduling

Process for capturing

Data store for the captured information

Data store for the confirmation

Entity for the Data quality team

Process for double checking the quality data

Alert system and error presenting process

Compress into 5-7 diagrams

Separate Diagrams for the process 3.3 and 3.2