

**MP 608 – Marshall, Michigan Incident
NTSB/PHMSA Information Request No. 108**

108 Reference: Email request by Matt Nicholson of November 9, 2010

Preamble:

Request: Submit the flow chart (referenced by Shane during interviews) used by the mass balance analyst in reviewing 5-min, 20-min and 2-hr mass balance alarms that define how he/she follows through with the alarm.

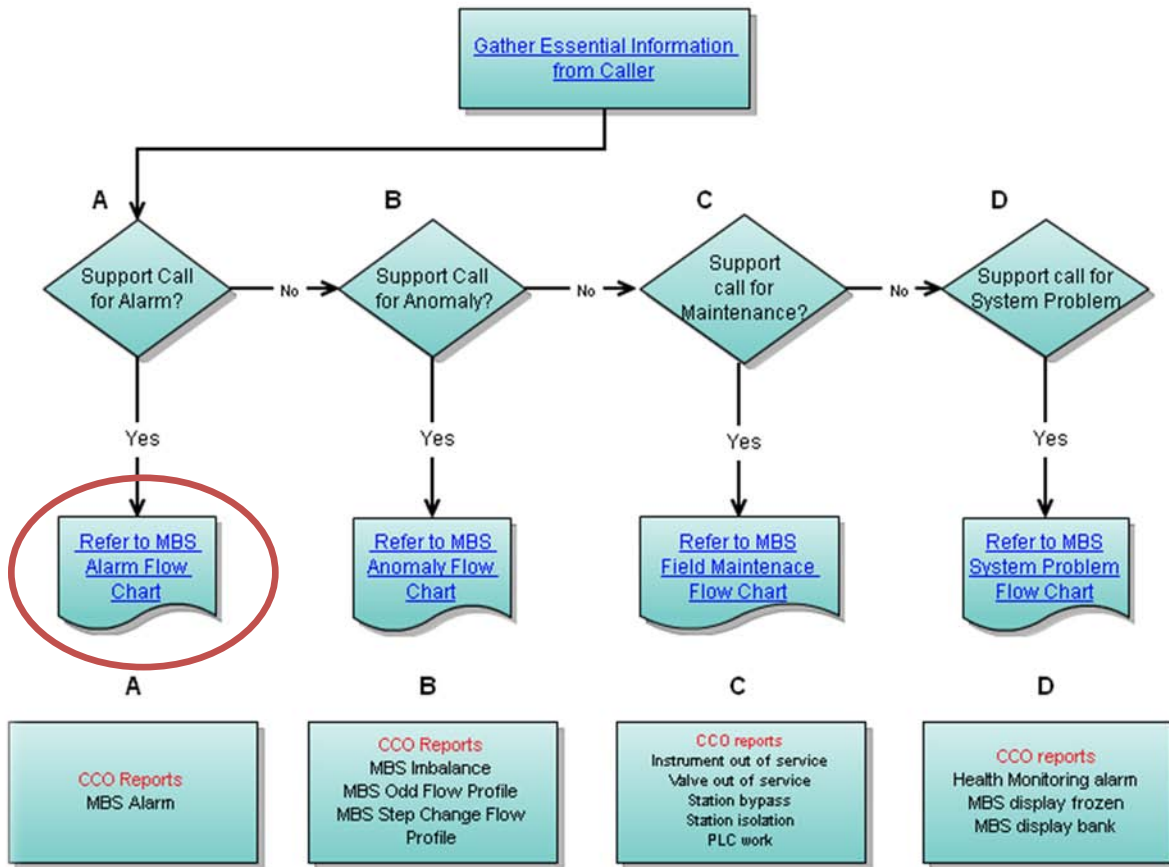
Requested by November 26, 2010

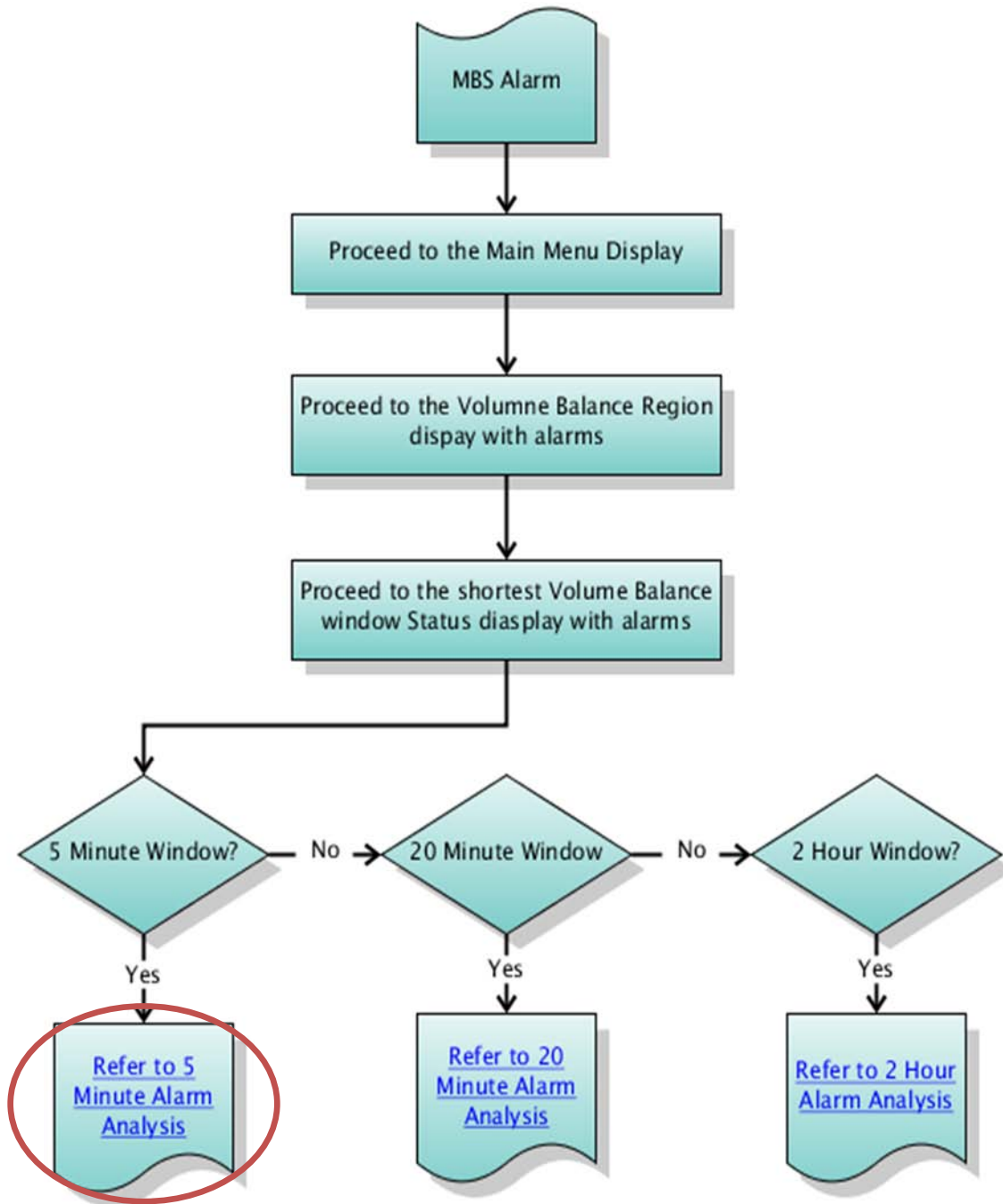
Response: The MBS support response flow chart can be used when handling all MBS situations reported to the analyst, including issues with the MBS system, scheduled or unscheduled field work, alarms, and anomalies.

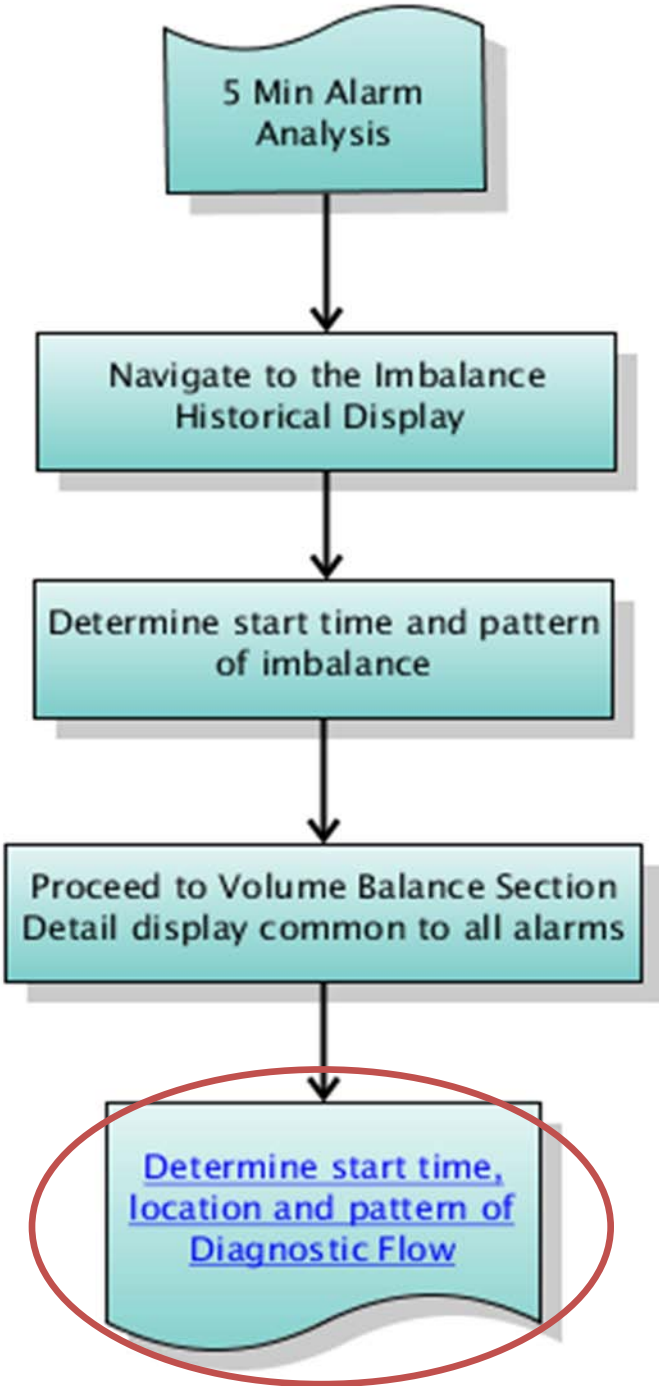
The following are three separate examples of how the flow chart can be used;

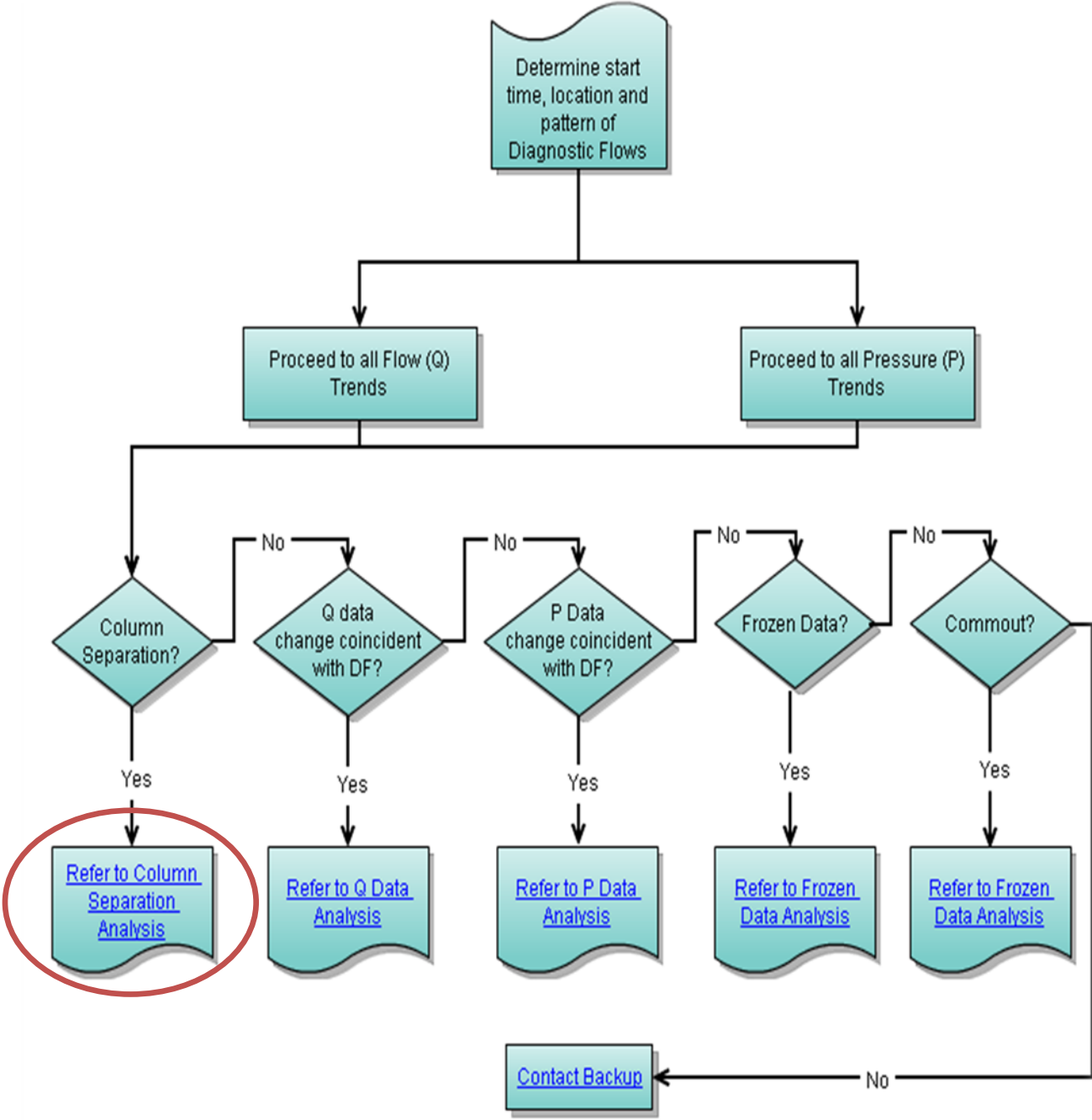
- 1) In response to a 5-min MBS alarm related to column separation.
- 2) In response to a 20-min MBS alarm related to a frozen pressure transmitter.
- 3) In response to a field maintenance call. Flow meter to be taken out of service for repairs.

1) Using the flow chart to respond to a 5-min MBS alarm related to column separation.

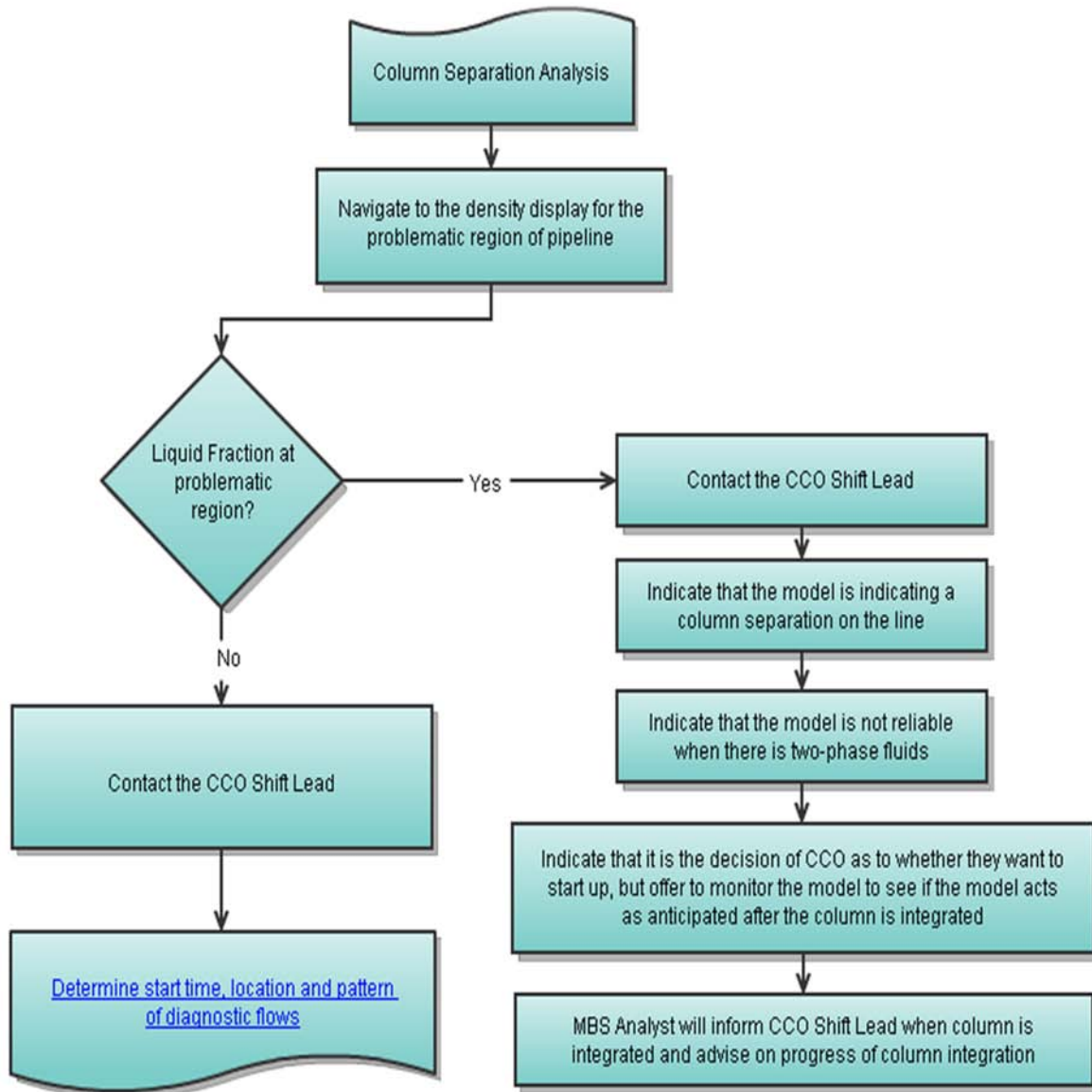




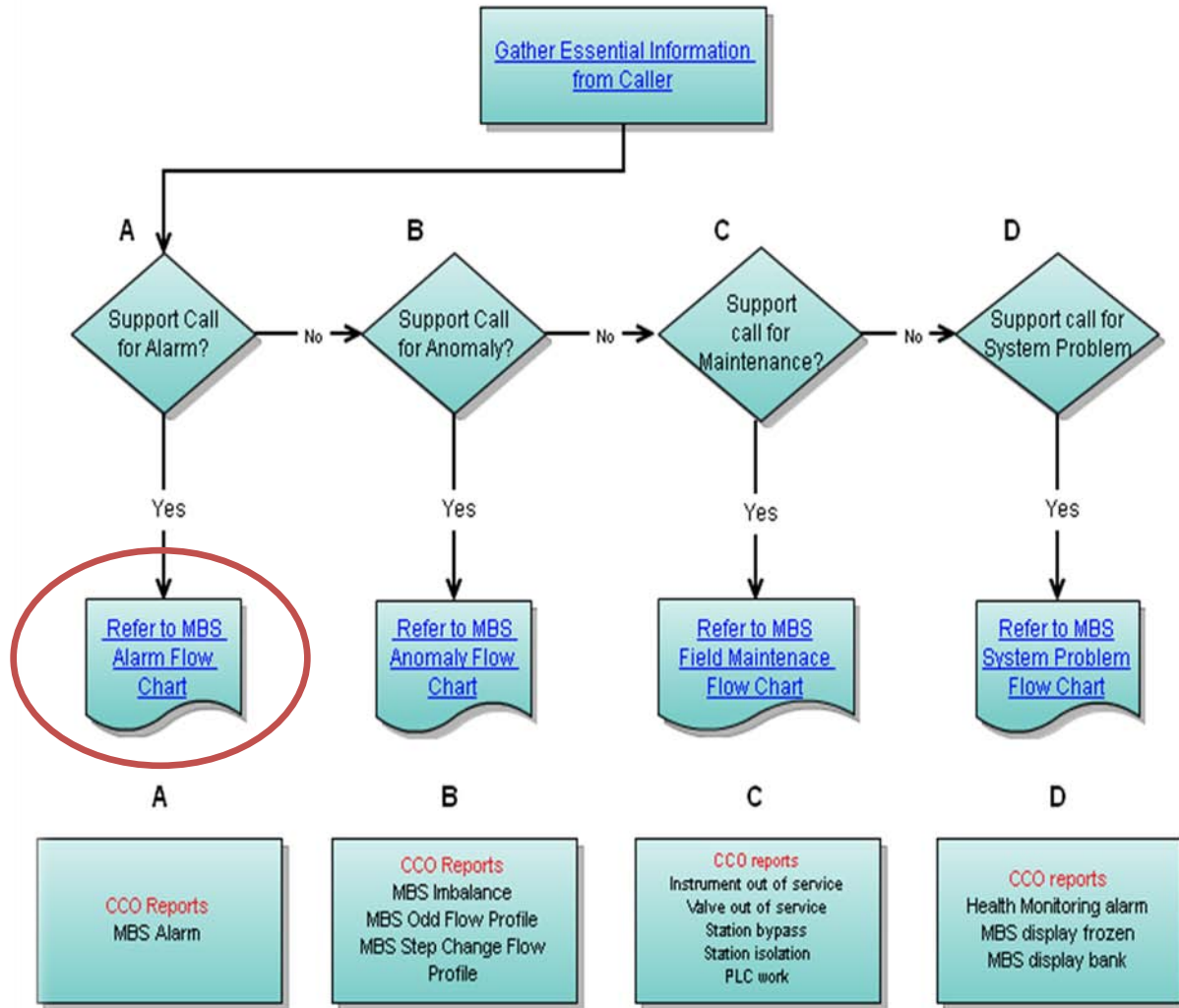


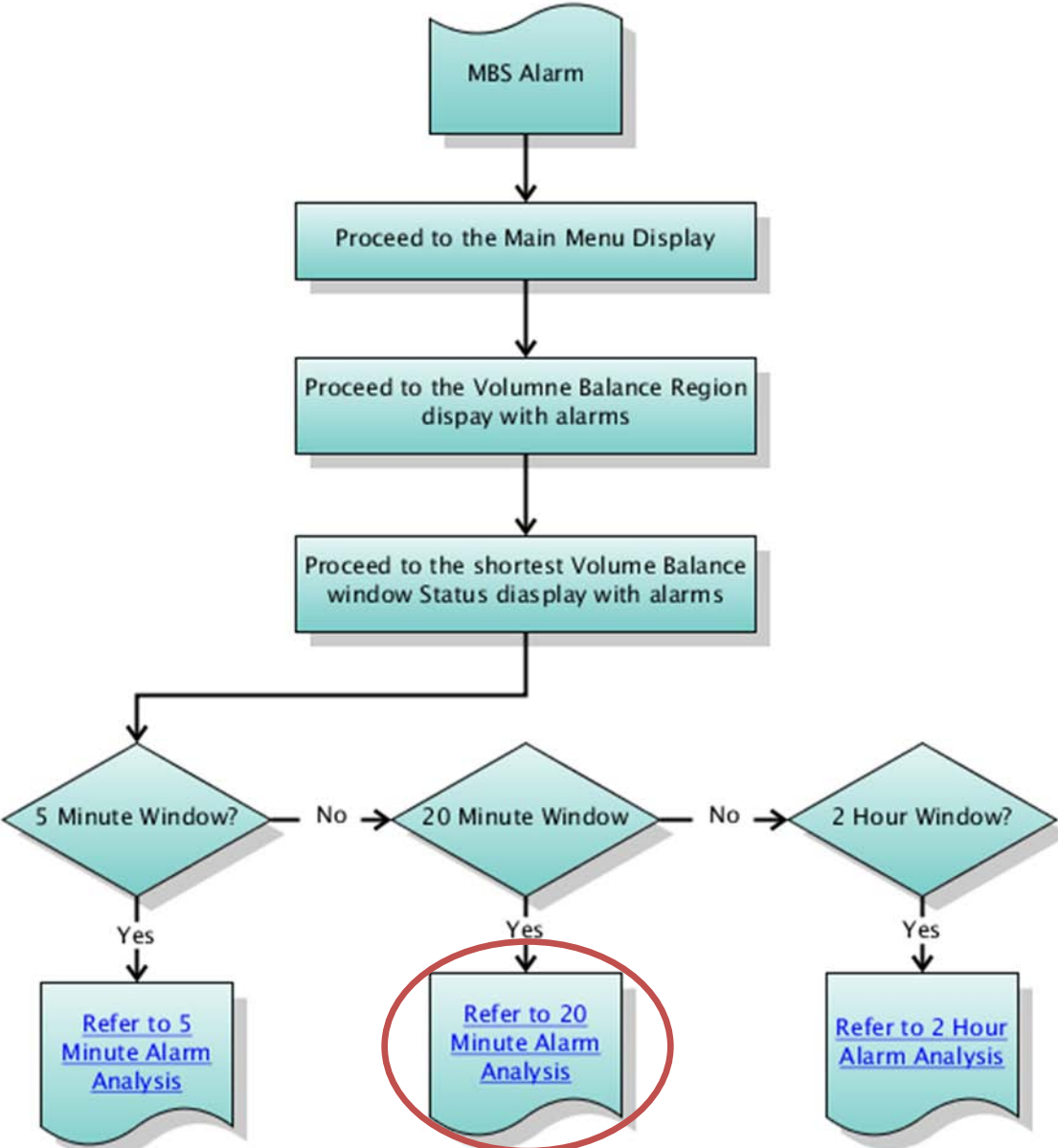


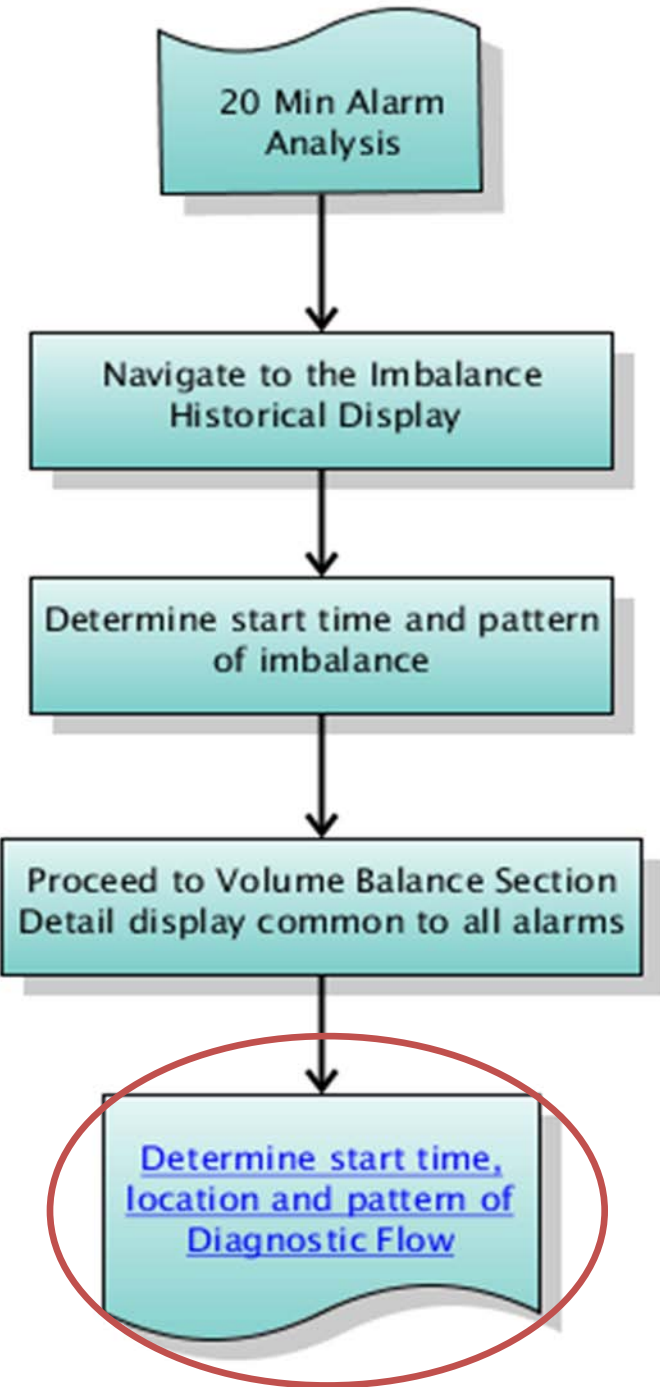
Final Step

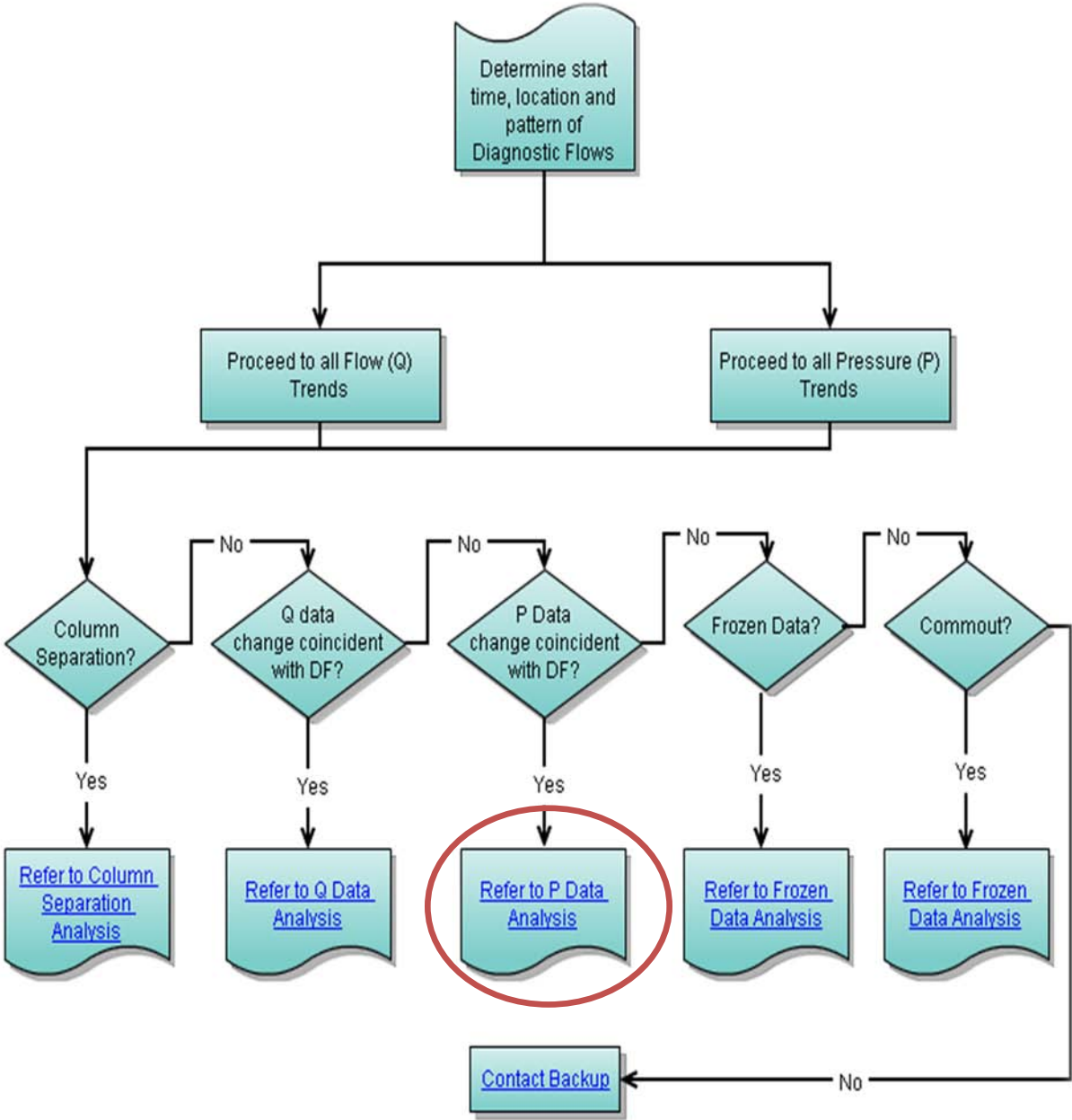


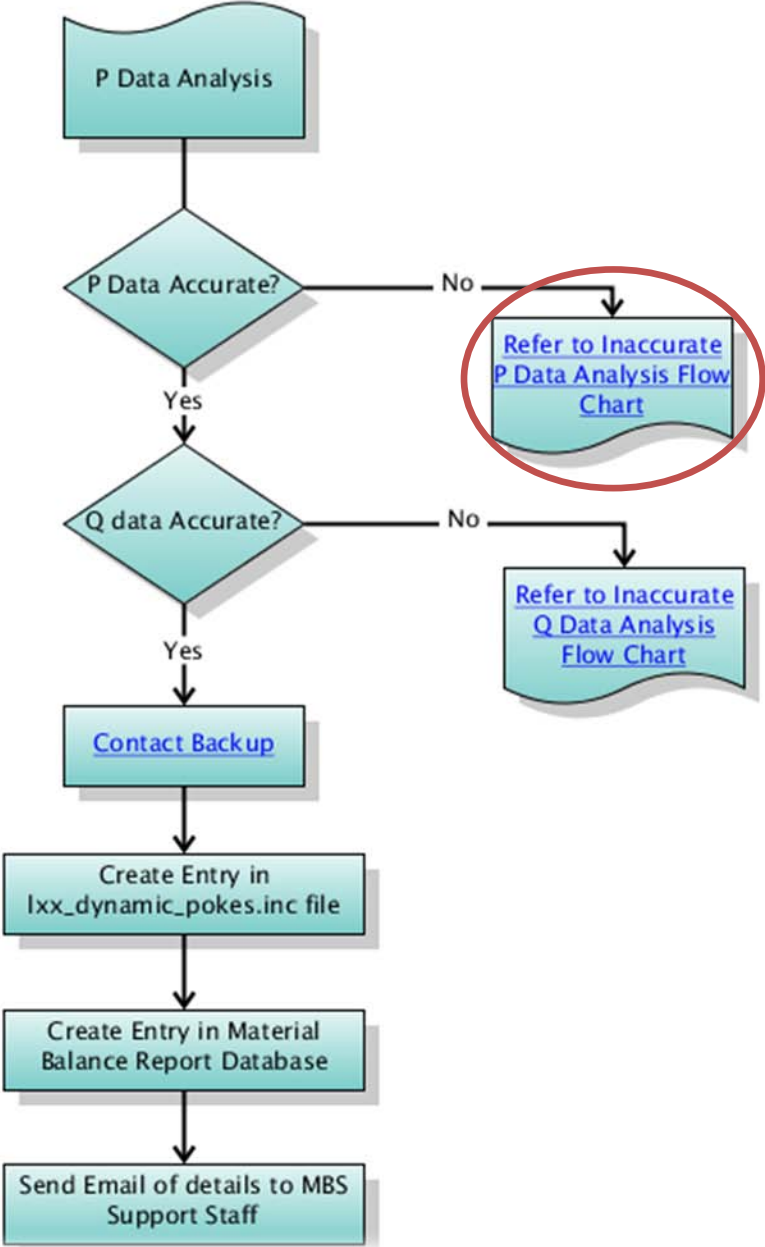
2) Using the flow chart to respond to a 20-min MBS alarm related to a frozen pressure transmitter.

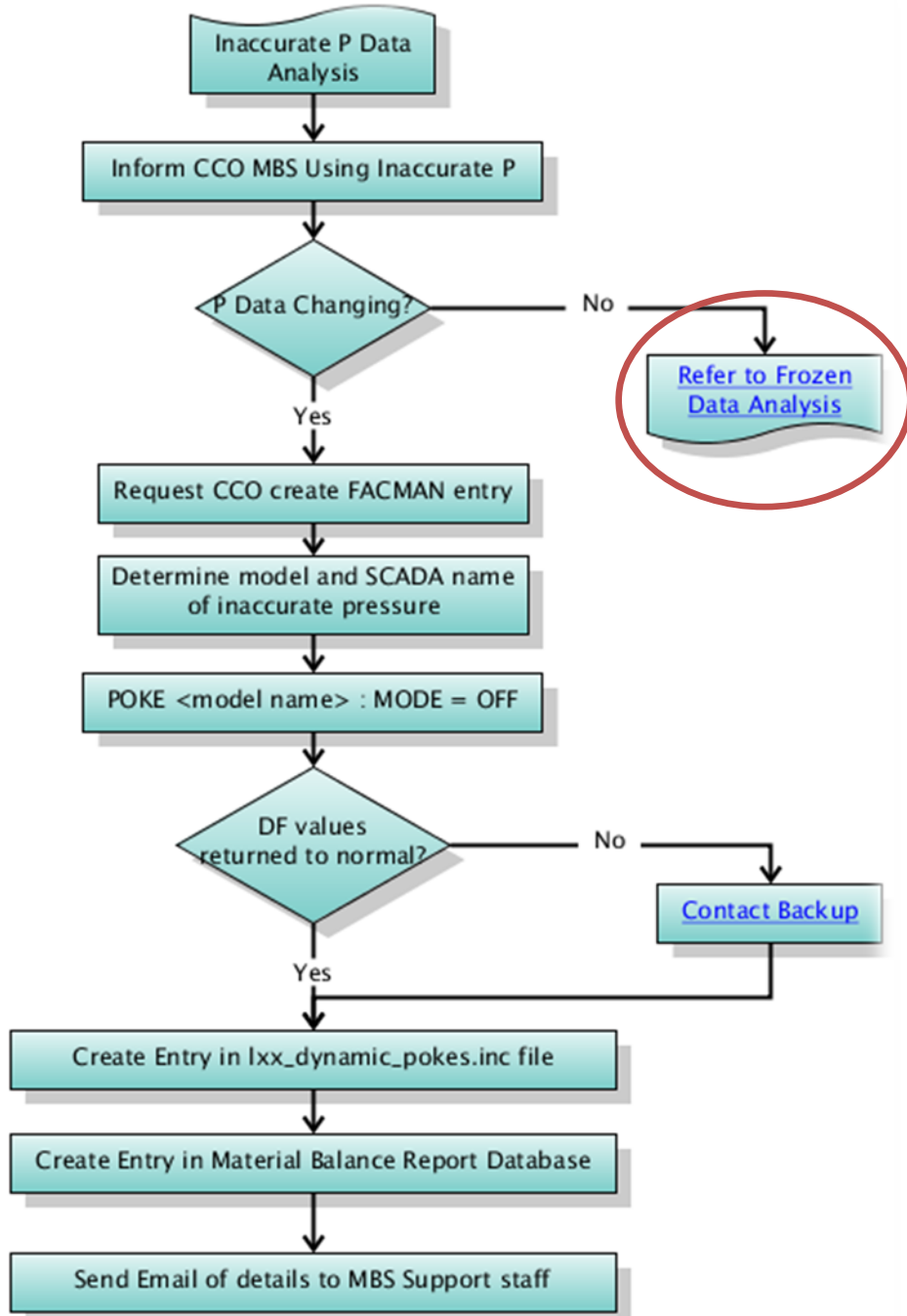




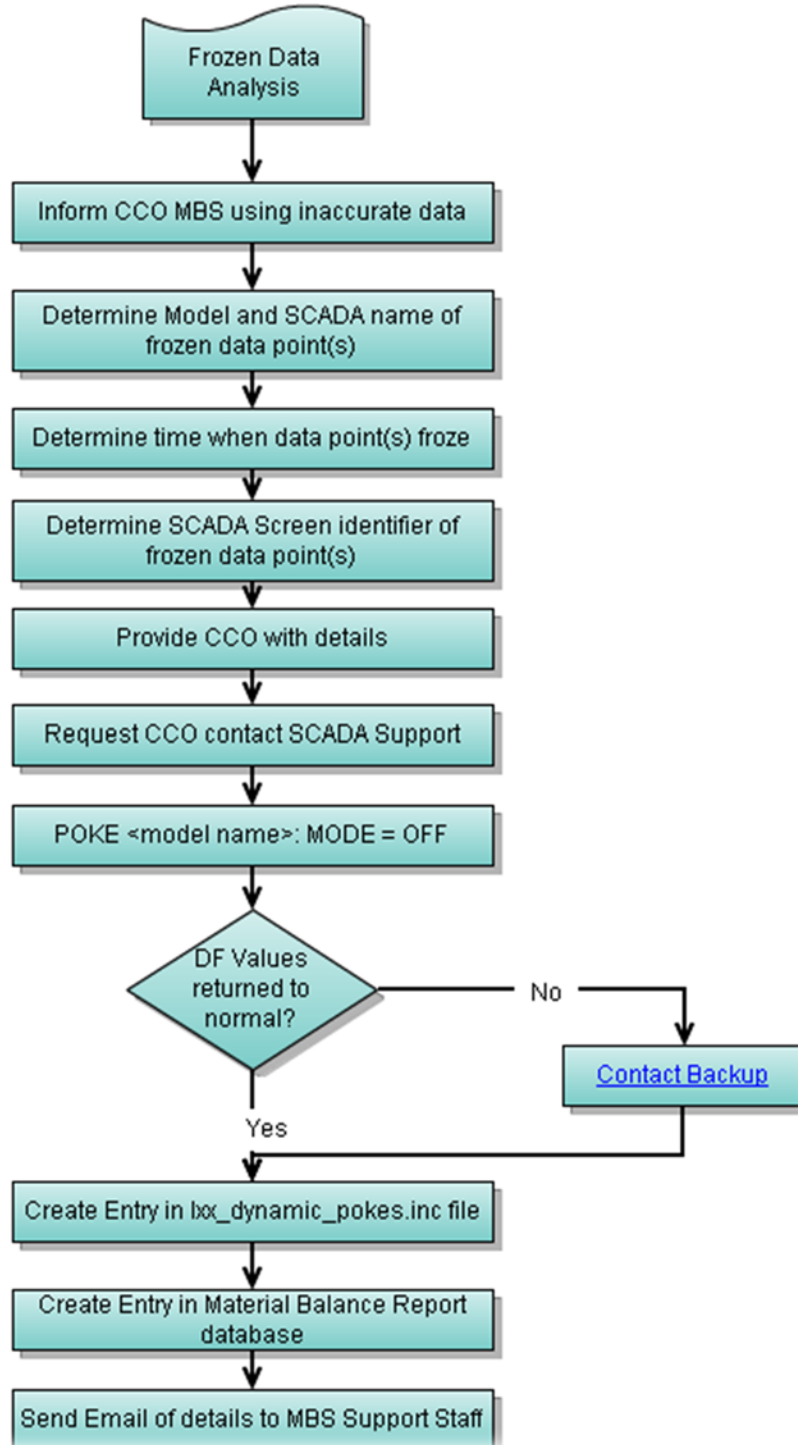




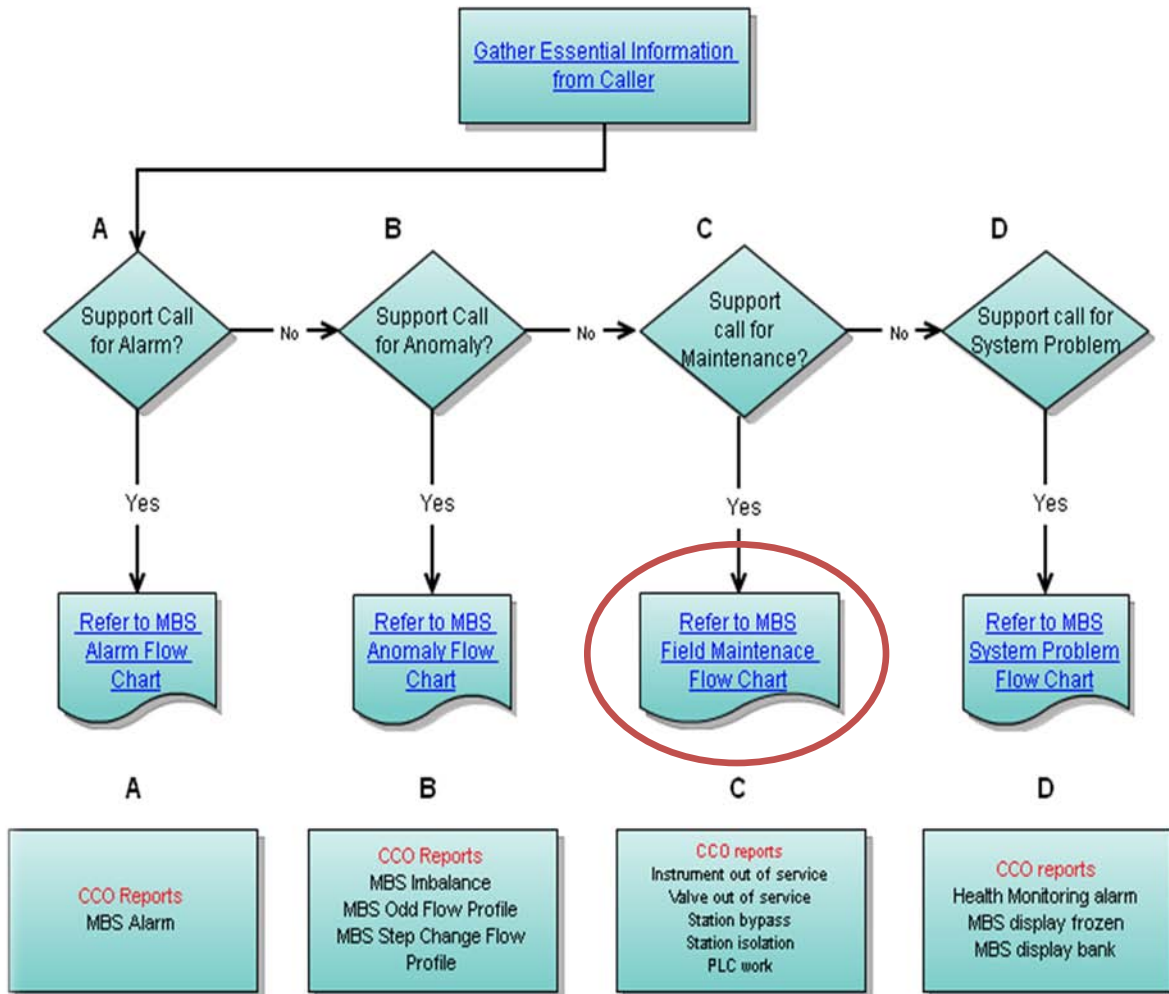


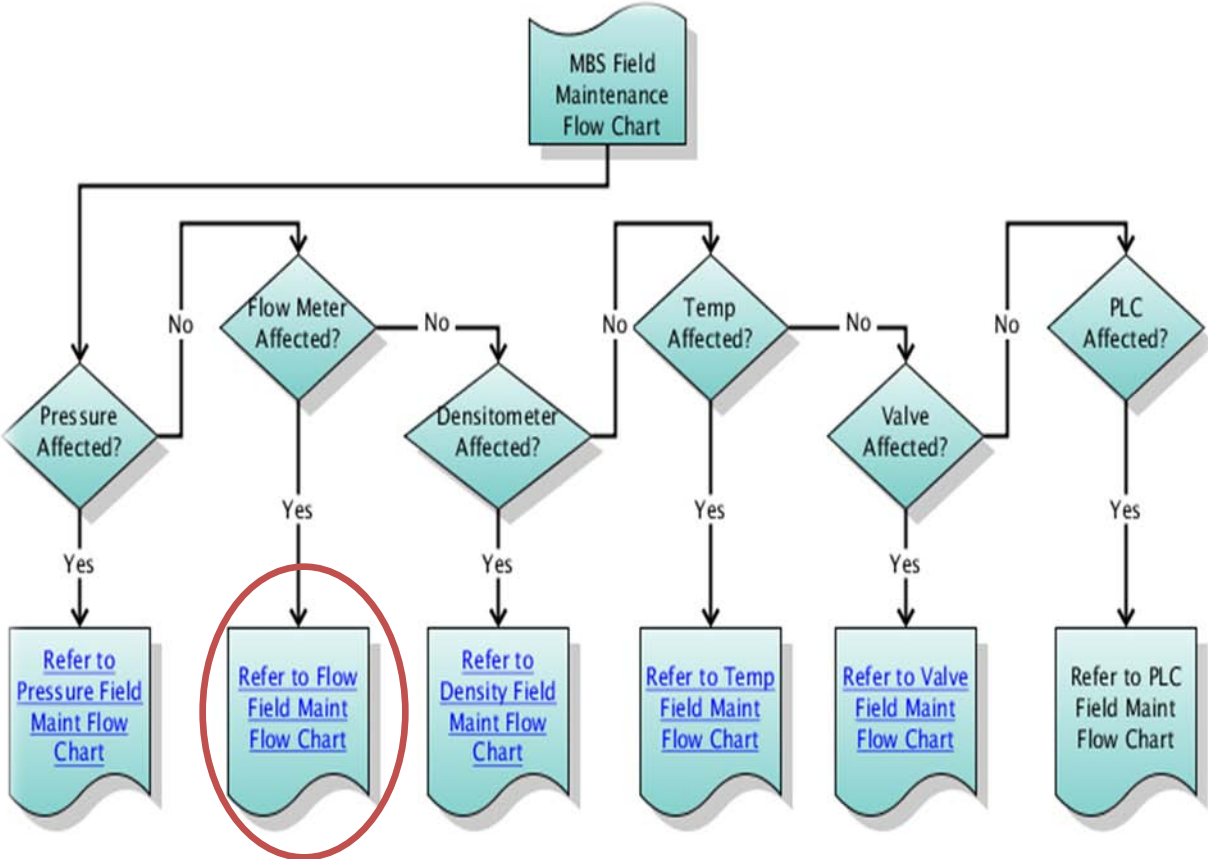


Final Step



3) Using the flow chart to respond to a field maintenance notification (Flow meter to be taken out of service for repairs).





Final Step

