LAT Fault Tree Analysis Baseline

(L-INS)

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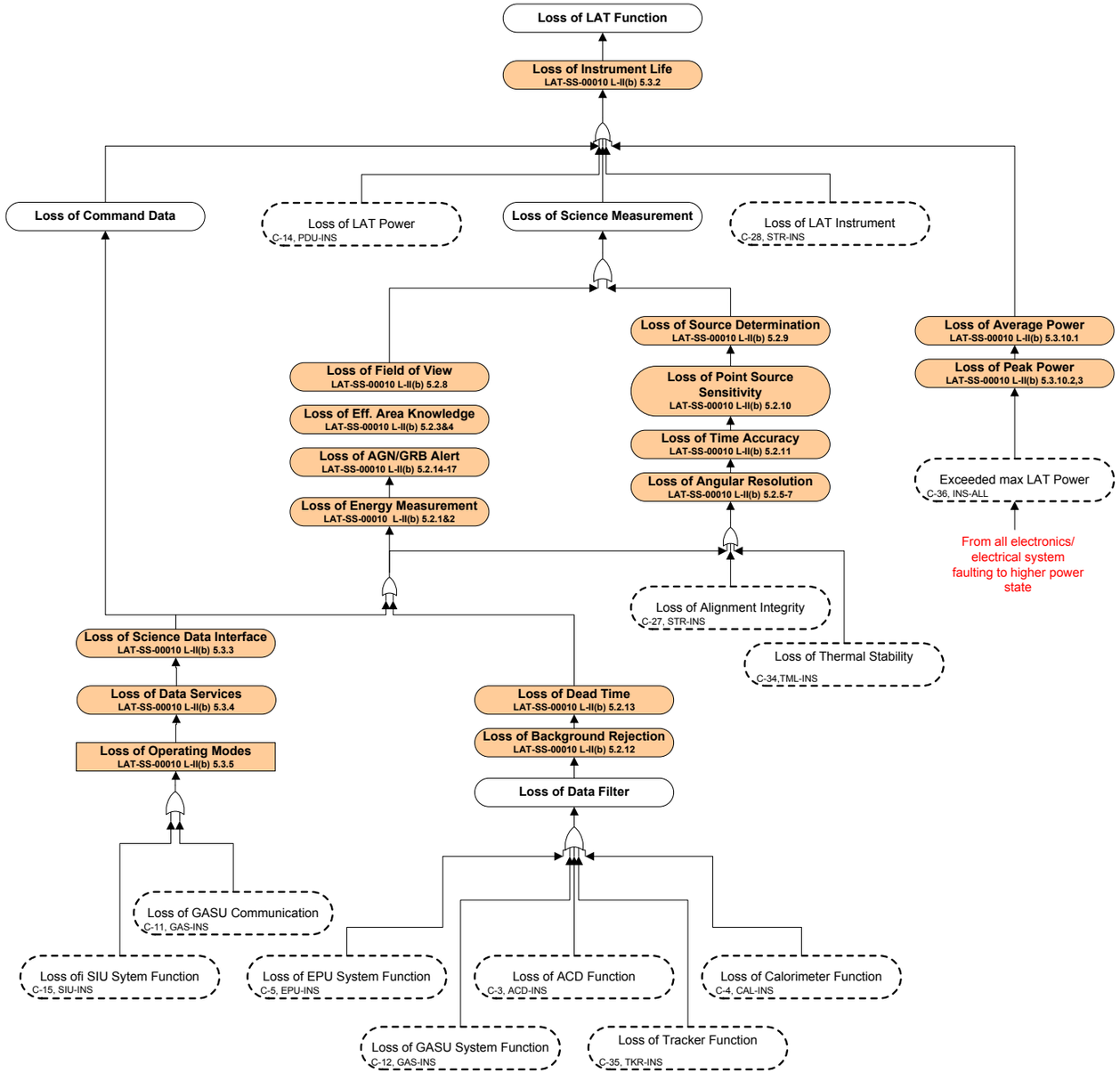
3 Dec. 2002



Legend

Redundant Failure

Non-Redundant Failure

Failure Mode

Failure Mode (connection with other FTA sheets)

Ground Contingency

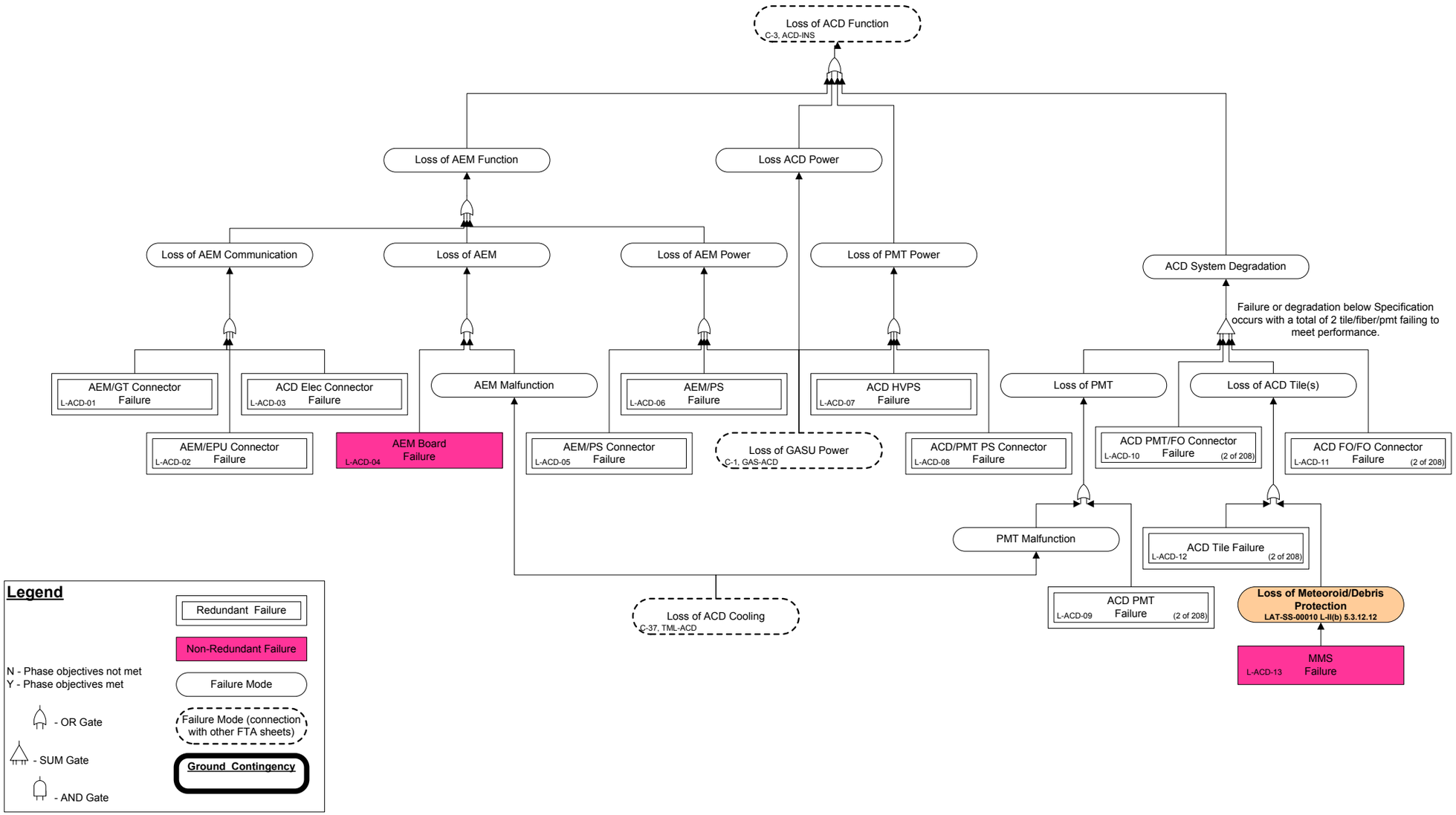
N - Phase objectives not met
Y - Phase objectives met

- OR Gate

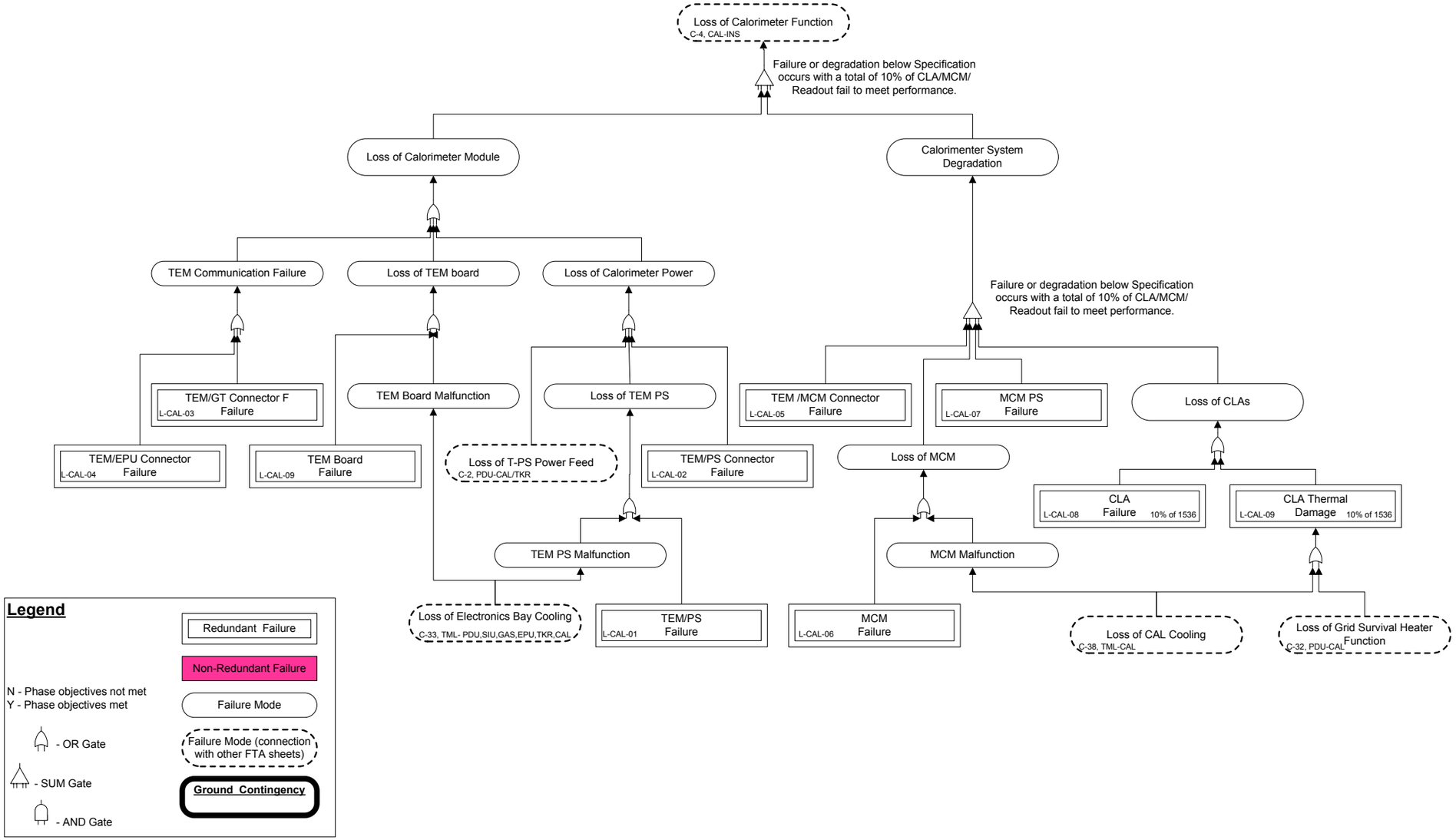
- SUM Gate

- AND Gate

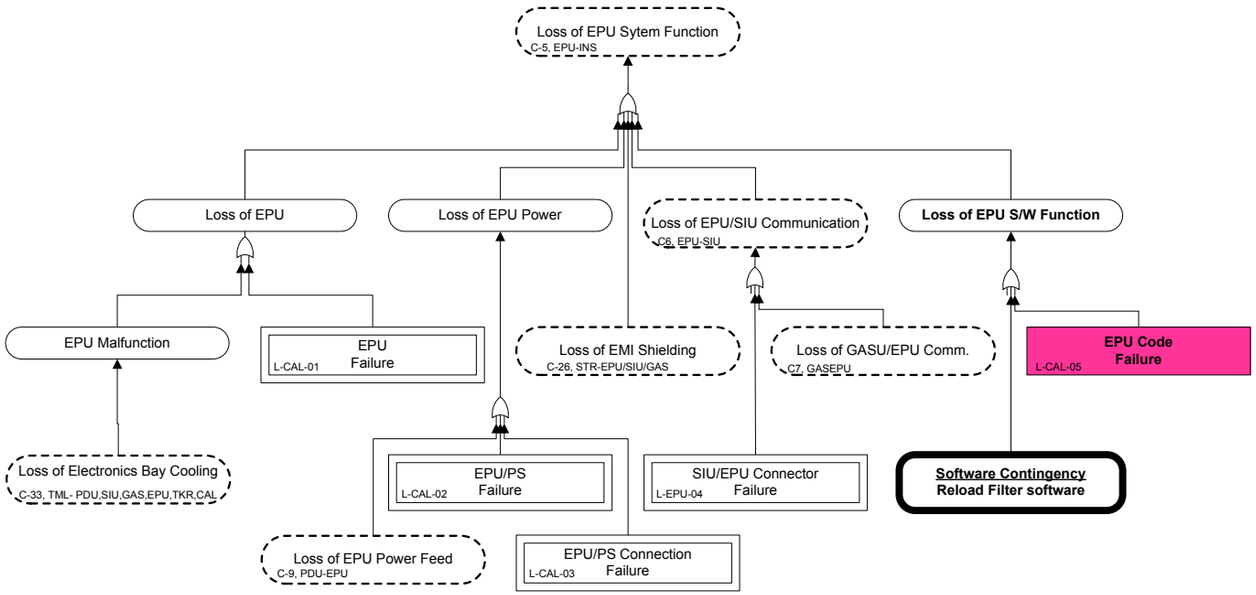
Anti-Coincidence Detector Subsystem Fault Tree
(L-ACD)



Calorimeter Fault Tree
(L-CAL)



EPU Fault Tree
(L-EPU)



Legend

Redundant Failure

Non-Redundant Failure

N - Phase objectives not met
Y - Phase objectives met

Failure Mode

- OR Gate

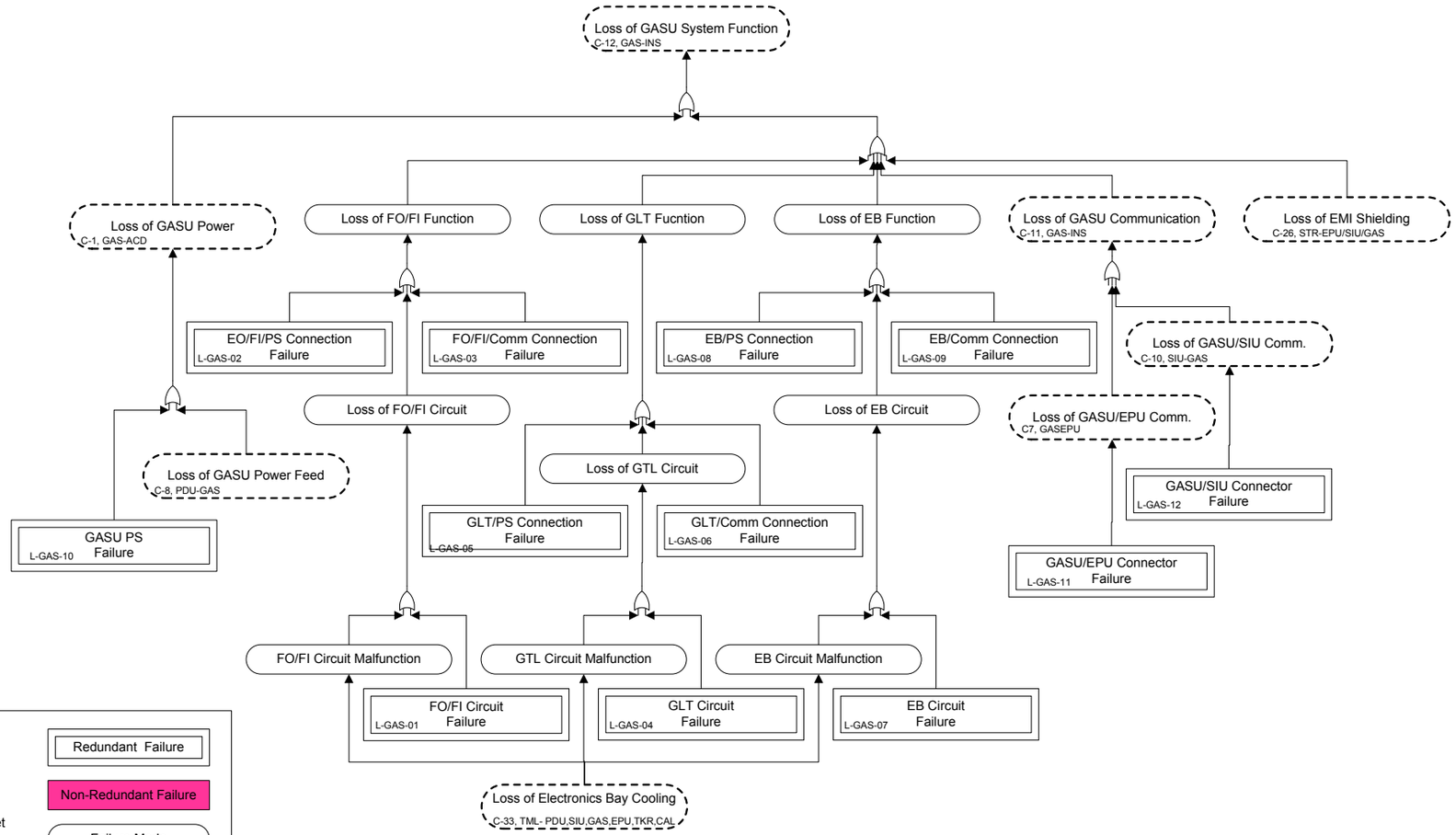
Failure Mode (connection with other FTA sheets)

- SUM Gate

Ground Contingency

- AND Gate

GASU Fault Tree
(L-GAS)



Legend

Redundant Failure

Non-Redundant Failure

N - Phase objectives not met
Y - Phase objectives met

Failure Mode

- OR Gate

Failure Mode (connection with other FTA sheets)

- SUM Gate

Ground Contingency

- AND Gate

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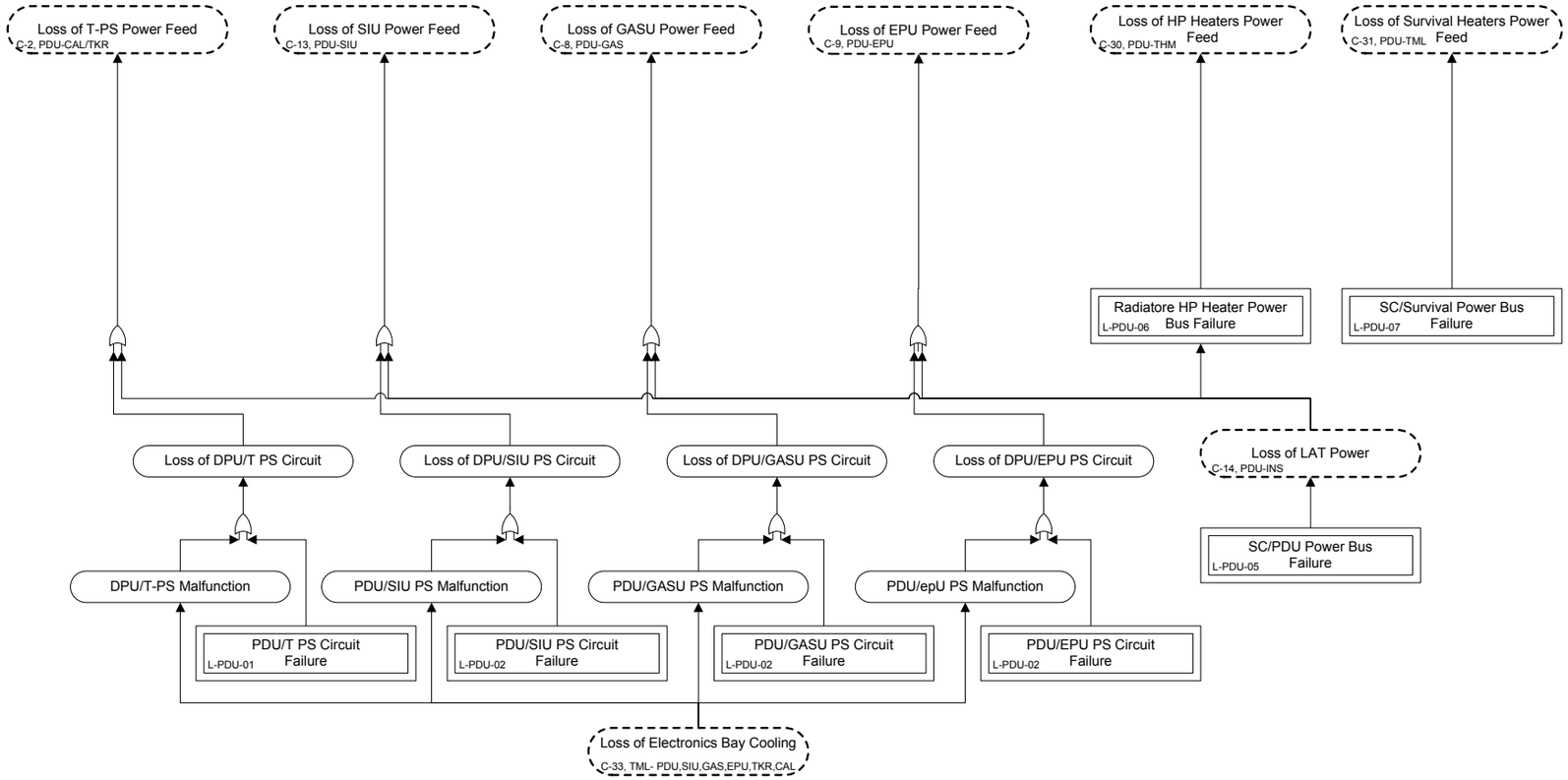
Power Distribution Unit Fault Tree
(L-PDU)



Legend

N - Phase objectives not met
Y - Phase objectives met

- OR Gate
- SUM Gate
- AND Gate

Redundant Failure

Non-Redundant Failure

Failure Mode

Failure Mode (connection with other FTA sheets)

Ground Contingency

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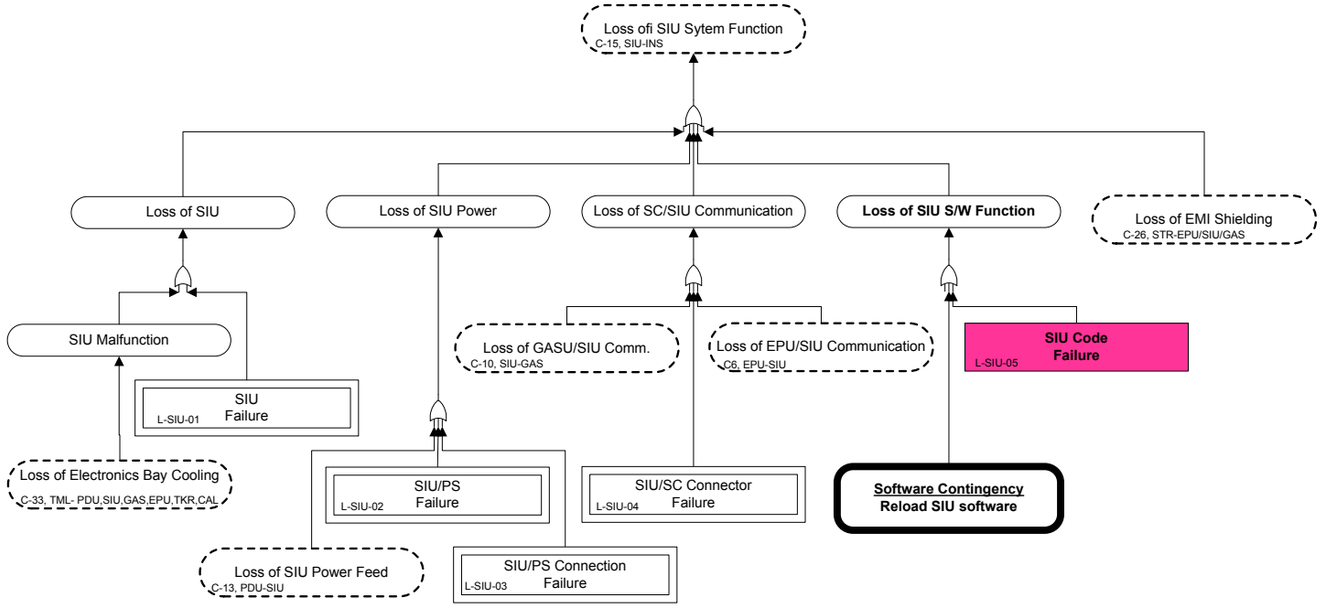
SIU Fault Tree
(L-SIU)



Legend

Redundant Failure

Non-Redundant Failure

N - Phase objectives not met
Y - Phase objectives met

Failure Mode

- OR Gate

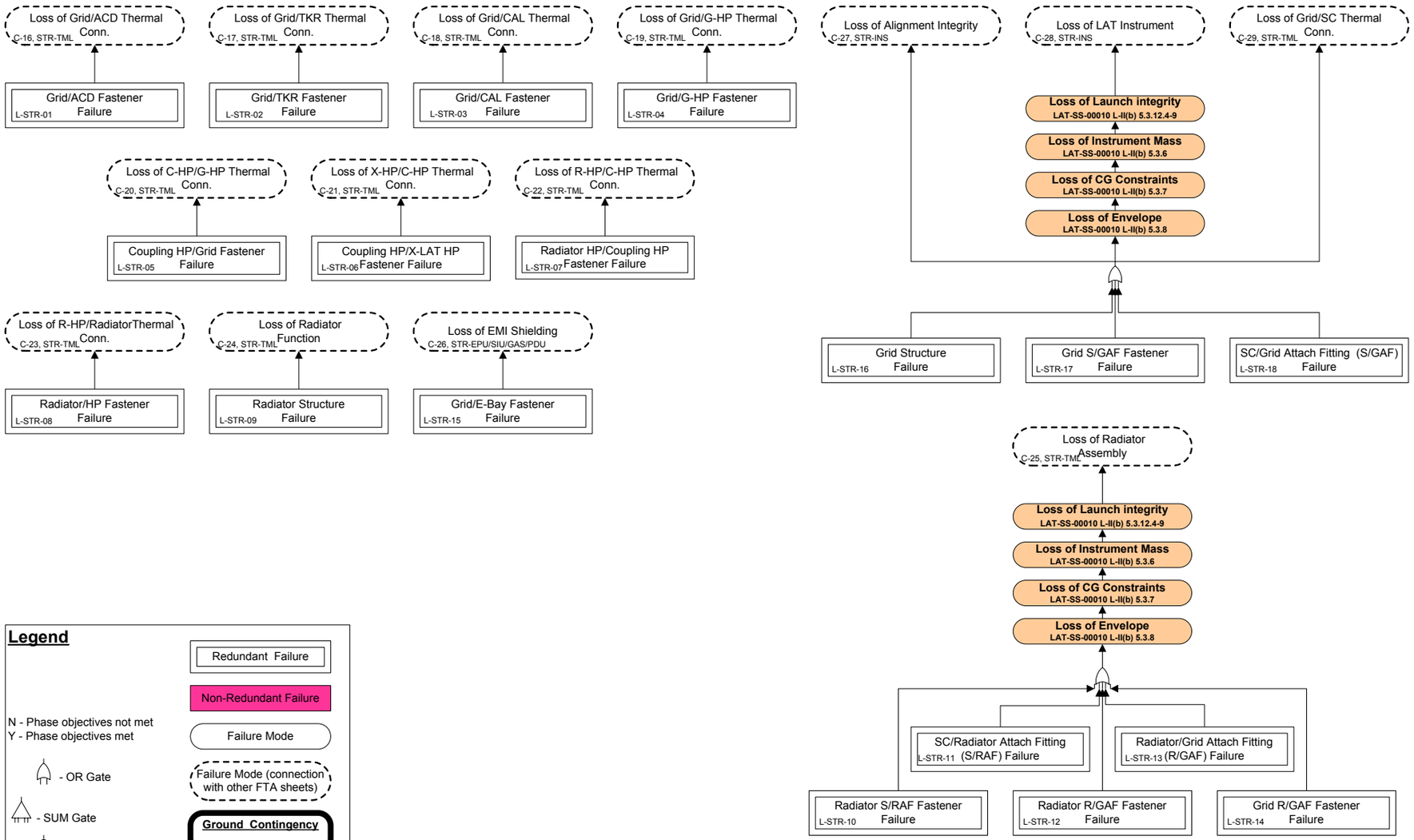
Failure Mode (connection with other FTA sheets)

- SUM Gate

Ground Contingency

- AND Gate

Structural Fault Tree
(L-STR)



Legend

Redundant Failure

Non-Redundant Failure

N - Phase objectives not met
Y - Phase objectives met

Failure Mode

- OR Gate

Failure Mode (connection with other FTA sheets)

- SUM Gate

Ground Contingency

- AND Gate

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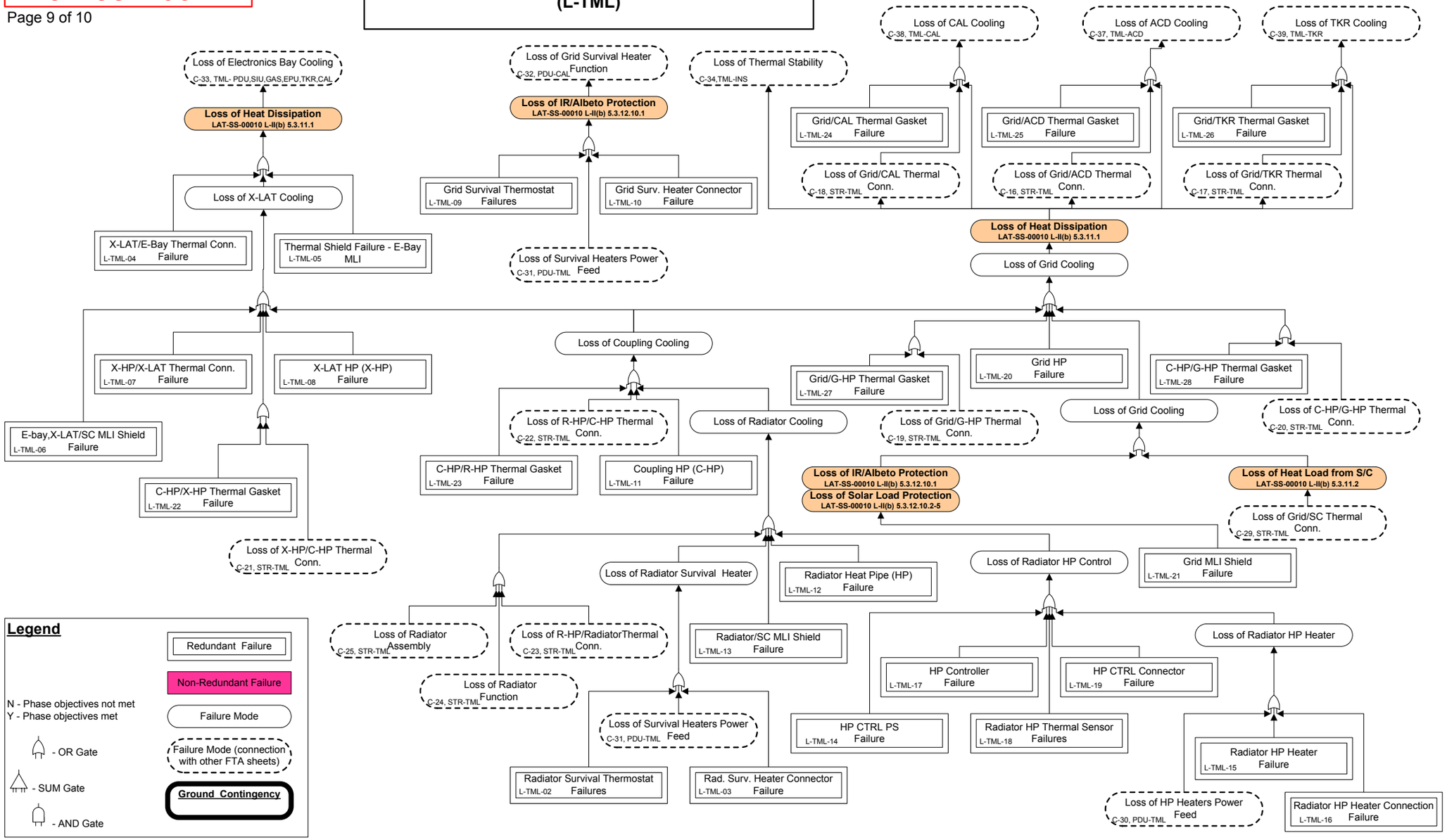
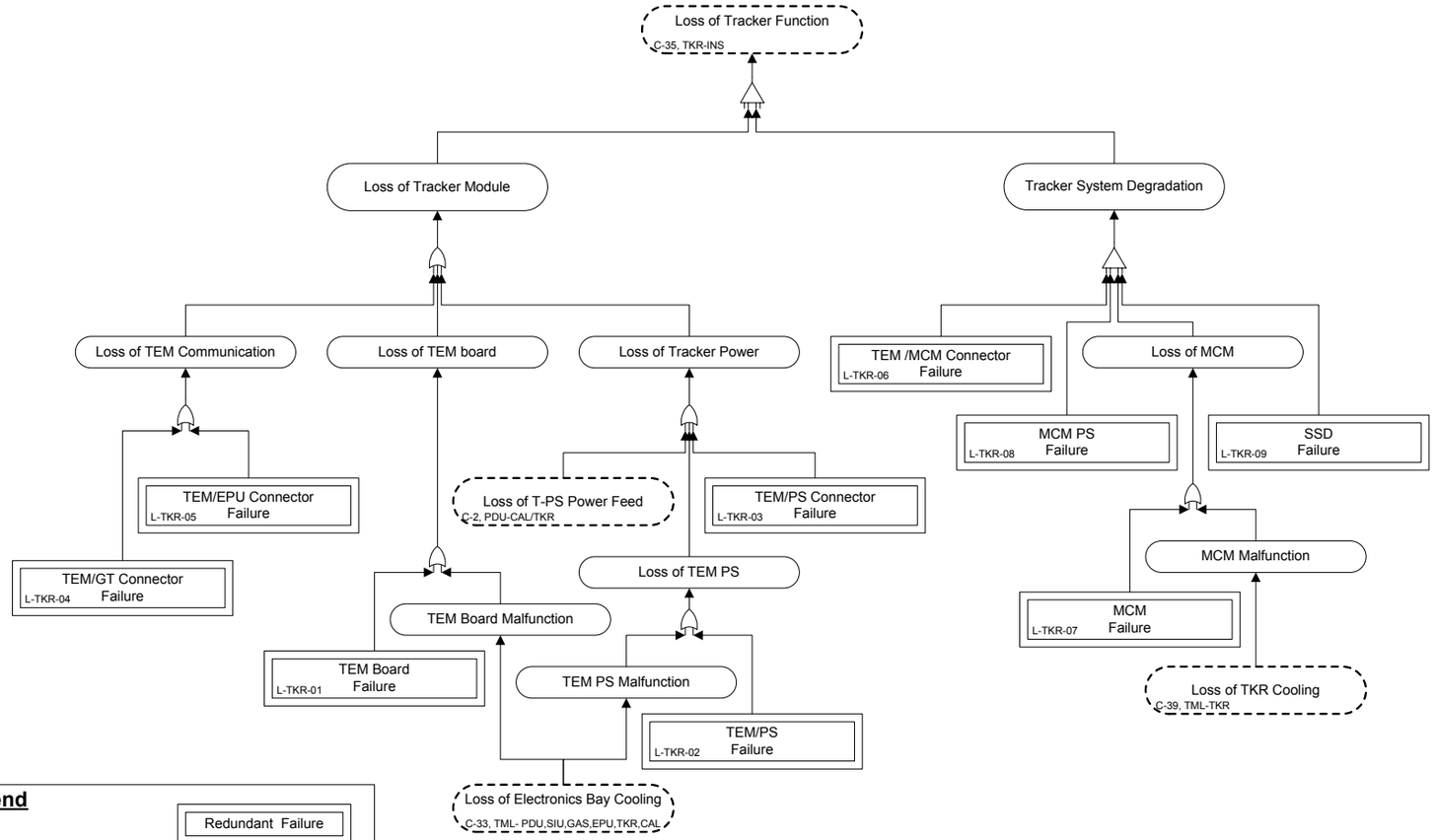
Thermal System Fault Tree
(L-TML)



Tracker Subsystem Fault Tree
(L-TKR)



Legend

Redundant Failure

Non-Redundant Failure

N - Phase objectives not met
Y - Phase objectives met

Failure Mode

- OR Gate

Failure Mode (connection with other FTA sheets)

- SUM Gate

Ground Contingency

- AND Gate