

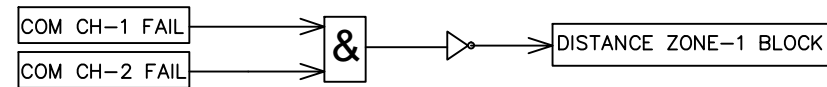
IMPORTANT NOTES:

1. DC SELECTION FOR PROTECTION SYSTEM

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PANEL DC-1	MAIN-1, TC-1, BB PU-A(≥400kV)
PANEL DC-2	MAIN-2, TC-2, BB PU-B(≥400kV)
BUSBAR DC-1	BB CU-A(≥400kV)
BUSBAR DC-2	BB CU-B(≥400kV)
SELECTED DC	CB CLOSE, BCU, STAND ALONE LBB, FOR SINGLE BUSBAR RELAY-CU & PU(≤ 220kV)

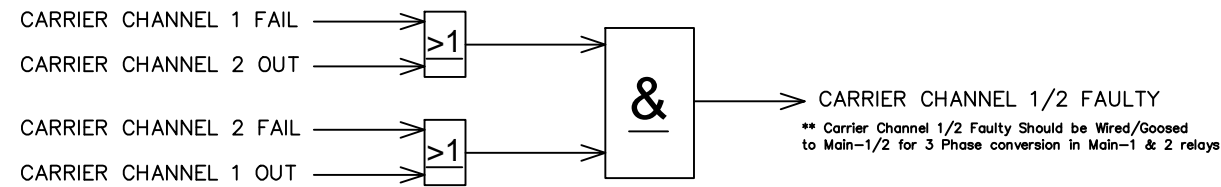
- FOR CENTRALISED BUSBAR PROTECTION 96 TRIP RELAY SHOULD BE PROVIDED.
- IN THE SCHEME, CMR(CONTACT MULTIPLICATION RELAY) MUST NOT BE USED EXCEPT FOR TRIP EXTENSION TO CIRCUIT BREAKER.
- RETRIP SHOULD BE EXTENDED TO TC-1 & TC-2 COIL THROUGH DIRECT CONTACT OF PU-A & PU-B IN DECENTRALISED BUSBAR SCHEME AND THROUGH STANDALONE LBB IN CENTRALISED BUSBAR SCHEME.
- ALL THE TRIPPING CIRCUIT SHOULD BE ISOLATED BY TEST PLUG CONTACT.
- AR CLOSE COMMAND SHOULD ISSUED TO CB ONLY AFTER ENSURING THE CB INTERLOCK CONDITION.
- MINIMUM BREAKER CLOSING TIME – 200ms, MINIMUM TRIPPING TIME – 100ms.

DIFFERENTIAL COMM FAIL LOGIC

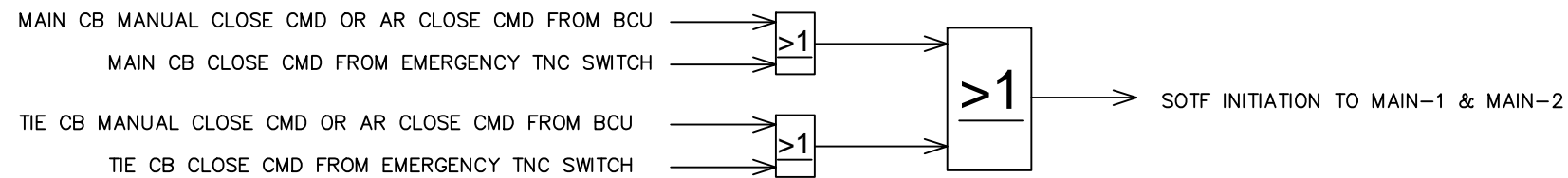


NOTE: APPLICABLE ONLY FOR THE DIFFERENTIAL PROTECTION RELAY

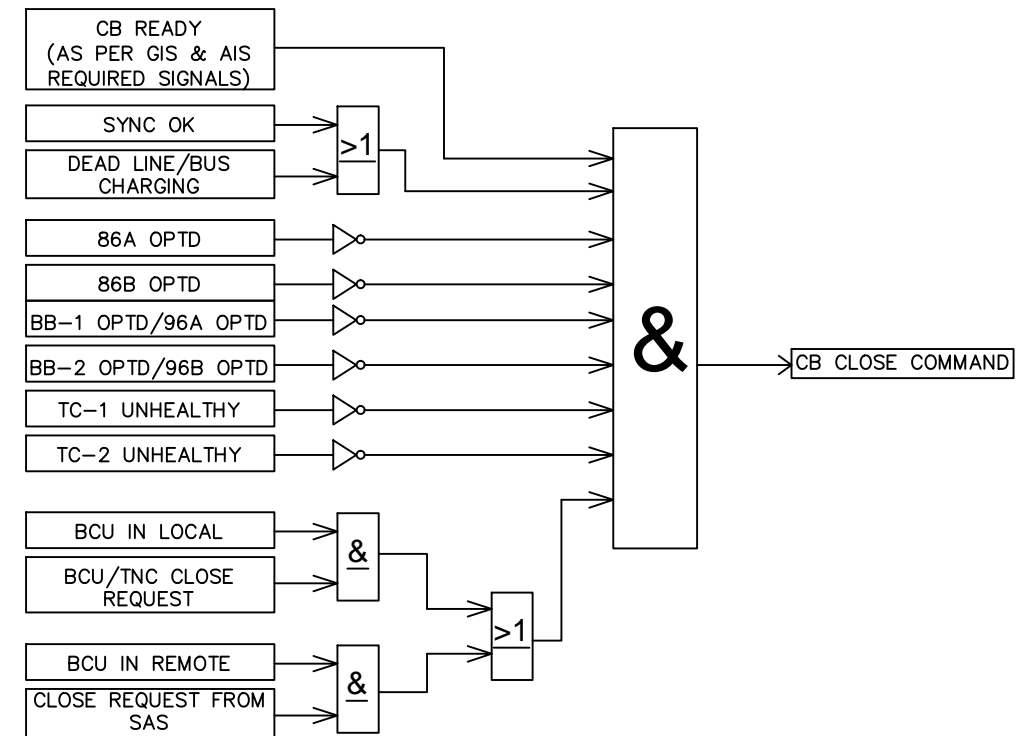
CARRIER FAIL/OUT LOGIC



SOTF INITIATION LOGIC



INDICATIVE CB CLOSE SOFTWARE INTERLOCK LOGIC IN BCU



INDICATIVE CB HARDWARE INTERLOCK LOGIC IN CRP

