

# NERC CCAP Cause Code Quick Reference

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[www.nerc.com](http://www.nerc.com)

<u>A1 Design/Engineering</u>	<u>A2 Equipment/Material</u>	<u>A3 Individual Human Performance</u>	<u>A4 Management / Organization</u>	<u>A5 Communication</u>	<u>A6 Training</u>	<u>A7 Other</u>	<u>A8 (Open)</u>
B1 DESIGN INPUT LTA	B1 CALIBRATION FOR INSTRUMENTS LTA	B1 SKILL BASED ERROR	B1 MANAGEMENT METHODS LTA	B1 WRITTEN COMMUNICATIONS METHOD OF PRESENTATION LTA	B1 NO TRAINING PROVIDED	B1 EXTERNAL PHENOMENA	<u>AX Overall Configuration</u>  B1 INSTALLATION/DESIGN CONFIGURATION LTA  B2 MAINTENANCE/MODIFICATION CONFIGURATION LTA
B2 DESIGN OUTPUT LTA	B2 PERIODIC/ CORRECTIVE MAINTENANCE LTA	B2 RULE BASED ERROR	B2 RESOURCE MANAGEMENT LTA	B2 WRITTEN COMMUNICATION CONTENT LTA	B2 TRAINING METHODS LTA	B2 RADIOLOGICAL/ HAZARDOUS MATERIAL PROBLEM	
B3 DESIGN/ DOCUMENTATION LTA	B3 INSPECTION/ TESTING LTA	B3 KNOWLEDGE BASED ERROR	B3 WORK ORGANIZATION & PLANNING LTA	B3 WRITTEN COMMUNICATION NOT USED	B3 TRAINING MATERIAL LTA	B3 VENDOR OR SUPPLIER PROBLEM	
B4 DESIGN/ INSTALLATION VERIFICATION LTA	B4 MATERIAL CONTROL LTA	B4 WORK PRACTICES LTA	B4 SUPERVISORY METHODS LTA				
B5 OPERABILITY OF DESIGN/ENVIRONMENT LTA	B5 PROCUREMENT CONTROL LTA	B4 WORK PRACTICES LTA	B4 SUPERVISORY METHODS LTA	B4 VERBAL COMMUNICATION LTA			
	B6 DEFECTIVE, FAILED, OR CONTAMINATED		B5 CHANGE MANAGEMENT LTA				
	B7 EQUIPMENT INTERACTIONS LTA						

AN – No causes found

AZ – Information to determine cause LTA

B1 UNABLE TO IDENTIFY SPECIFIC ROOT CAUSE

B2 REPORT STOPS AT FAILURE/ERROR MODE (WHAT HAPPENED, NOT WHY IT HAPPENED)

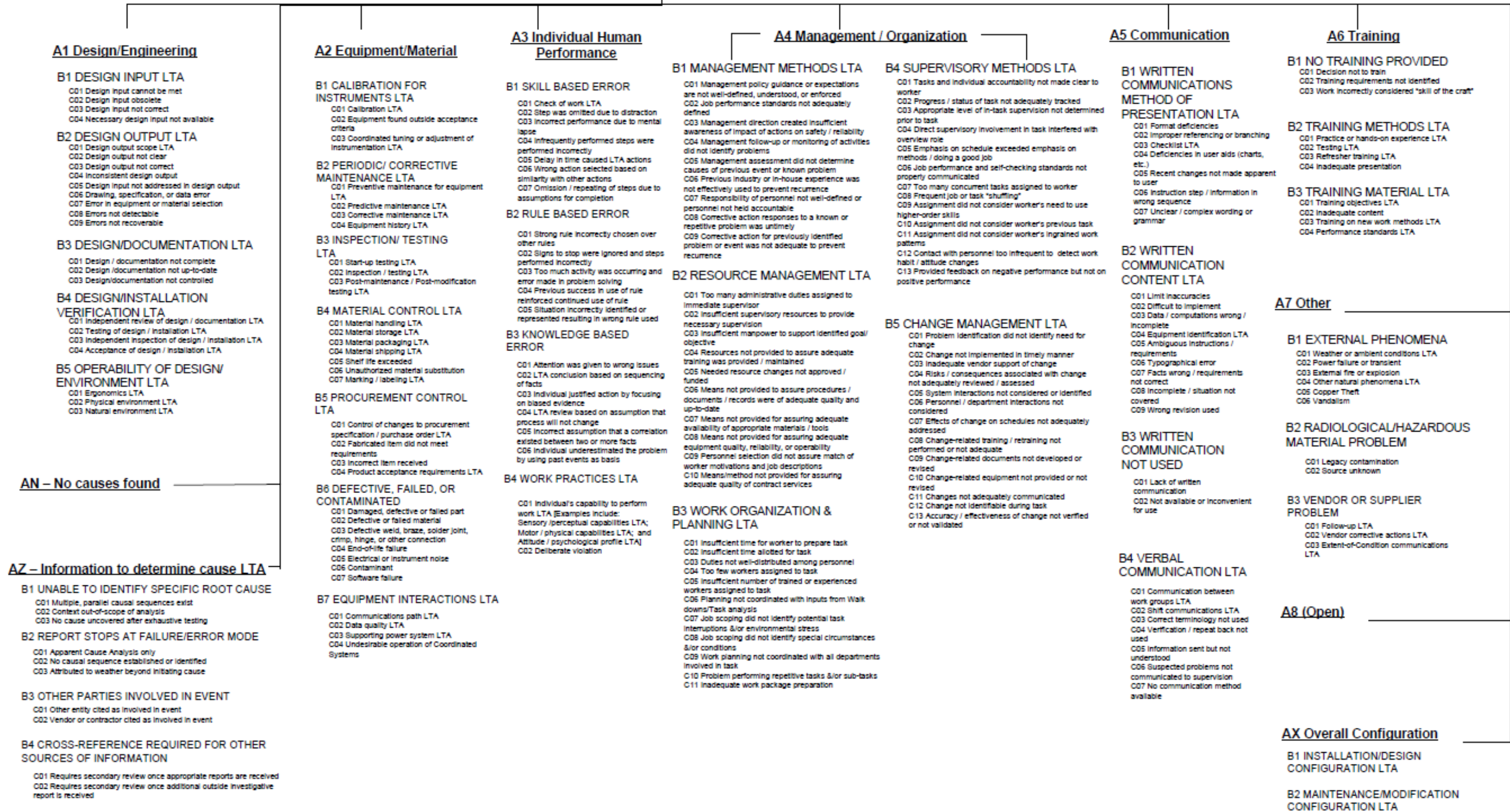
B3 OTHER PARTIES INVOLVED IN EVENT

B4 CROSS-REFERENCE REQUIRED FOR OTHER SOURCES OF INFORMATION

Level A nodes are underlined  
Level B nodes are in ALL CAPS  
Level C nodes are in "sentence case"  
LTA = Less Than Adequate



*Disclaimer: This NERC Event Analysis document is a working document used for analyzing events in order to identify reliability risk to the North American Bulk Power System, to ensure and continuously improve reliability. This document cannot be used for compliance monitoring or enforcement purposes. Any statements or conclusions on this document will not prejudice the outcome of an event analysis or a potential compliance review associated with the same facts or circumstances. This document makes no findings regarding compliance with Reliability Standards.*



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