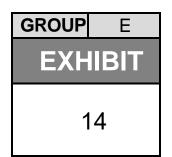


## National Transportation Safety Board Investigative Hearing

Norfolk Southern Railway general merchandise freight train 32N derailment with subsequent hazardous material release and fires, in East Palestine, Ohio, on February 3, 2023



Agency / Organization

**Norfolk Southern** 

Title

## **Exhibit 14- NS Quick Reference Alert Handling**

Docket ID: DCA23HR001

Defect / Fault	Non Key Train	Key Train	Passenger Train
Train Too Slow / Stopped on Detector ( No Defects)	30mph to Next (if no prev. defects)	Inspect	Inspect
Train Too Slow / Stopped on Detector (with Defects)	Inspect announced axles	Inspect	Inspect
<b>Detector Not Working</b>	If no erratic operatin in cab		
	No previous defects		
	Notify dispatcher of failure		
	(1st out of yard or last into yard require roll by)		
	2nd consecutive requires roll by		
	30mph to next	Stop and Inspect	Stop and Inspect
Dragging Equipment Detector (No Axle)	Stop and Inspect	Stop and Inspect	Stop and Inspect
No Message (Data Available)	if data available in WDS and Raw file	e shows no errors = continue a	at track speed
	(only if no train hand	ling issues reported by crew)	
	*input Remedy	Ticket for no response*	
	30mph to Next as long as detector is not 1st or		
	last into the yard. (If detector is 1st out of yard		
No Message (Data Not Available)	or last into the yard roll by for non-key trains)	Stop and Inspect	Stop and Inspect
	*input Remedy Ticket for no response*		
	Stop and Inspect (10mph rollby authorized based		
Hot Box Alarm	on alarm details)	Stop and Inspect	Stop and Inspect
Hot Wheel Alarm	Stop and Inspect	Stop and Inspect	Stop and Inspect
	(set and release, then 10mph roll by auth.)		
	(single track can proceed 30mph to double track,		
	siding or yard)		
2 of 3 consecutive detectors trigger talker alarm (HWD /			
HBD)	Set Car Out	Set Car Out	Set Car Out

WILD	Imbalance Exception	
Non-Critical (125-139.9) Set Out (30mph auth to nearest		
designated set out location)	Non-Critical (15-19.99 Kips) Continue w/o stopping NTE 30mph until set out.	
Critical (140+) Set Out at next FWD location NTE 30, vehicle		
must be inspected before movement	Critical (20.00+) Stop ASAP and inspect. If no obvious defect = 30mph to nearest set out location.	
HAZ WILD		
Non-Critical (110-119.99) 30mph to set out		
Critical (120+) Stop + Inspect safe to set out NTE 30		
No Data WILD		

Revised 1/7/20