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Author	Date	Rev
Pål K. Hansen	25.08.2015	04

List of alerts (valid for v4.7.x.28)

This document provides a list of alerts generated by TECDIS, including information on category, priority and identifiers in both ALR and ALF communication modes. See note on alert Legacy mode below the alert list.

All of these alerts use the manufacturer mnemonic “TEL” in ALF/ACL to BAM.

Alert	Priority	Cat.	Identifier		Configurations where present					Type
			ALR	ALF	STD Legacy	STD	2025 TCS	Emri TCS	5500 TCS	
Antigrounding Alarm	Alarm	A	257	10257	●	●	●	●	●	ECDIS
Lost danger AIS (CPA)	Alarm	A	258	10258	● ¹	● ¹	● ¹	● ¹	● ¹	ECDIS
Danger CPA	Alarm	A	259	10259	● ¹	● ¹	● ¹	● ¹	● ¹	ECDIS
Route critical point	Alarm	A	260	10260	●	●	●	●	●	ECDIS
Vessel off track	Alarm	A	261	10261	●	●	●	●	● ⁹	ECDIS
Waypoint alarm	Alarm	A	262	10262	● ^{1,2}	● ^{1,2}	●	●	● ^{1,2}	TCS
Lost sensor Position 1	Alarm	B	263	10263	●		● ⁴	● ⁴		ECDIS
Lost sensor Position 2	Alarm	B	264	10264	●		● ⁴	● ⁴		ECDIS
Sensor Error Pos.1 Wrong Datum	W / A	B	265	10265	A	W	A ¹⁰	A ¹⁰	A ¹⁰	ECDIS
Sensor Error Pos.2 Wrong Datum	W / A	B	266	10266	A	W	A ¹⁰	A ¹⁰	A ¹⁰	ECDIS
Mariners danger object	Alarm	A	267	10267	●	●	●	●	●	ECDIS
Heading difference limit exceeded	W / A	B	268	10268	A ^{1,2}	A ^{1,2}	A	A	W	TCS
Lost autopilot communication	Alarm	B	270	10270			●	●		TCS
Final waypoint passed	Alarm	A	271	10271	● ^{1,2}	● ^{1,2}	●	●	● ^{1,2}	TCS
Pos sensor difference limit exceeded	W / A	B	272	10272			A	A	W	TCS
Lost monitor serial communication	W / A	B	273	10273	A	W	A ¹⁰	A ¹⁰	A ¹⁰	ECDIS
Lost sensor Heading 1	Alarm	B	274	10274			●	●		TCS
Lost sensor Heading 2	Alarm	B	275	10275			●	●		TCS
Lost sensor Water Speed	Alarm	B	276	10276			●	●	● ⁶	TCS
Low Speed	Alarm	B	277	10277			●	●		TCS
Dynamic licensing update deadline	W / A	B	278	10278	A	W	A ¹⁰	A ¹⁰	A ¹⁰	ECDIS
Dynamic licensing out of credits	W / A	B	279	10279	A	W	A ¹⁰	A ¹⁰	A ¹⁰	ECDIS
Chart licenses expired (over 50%)	W / A	B	280	10280	A	W	A ¹⁰	A ¹⁰	A ¹⁰	ECDIS
Lost AIS target	Alarm	A	281	10281	● ¹	● ¹	● ¹	● ¹	● ¹	ECDIS
AIS target in no go area	Alarm	B	282	10282	● ¹	● ¹	● ¹	● ¹	● ¹	ECDIS
Anchor guard alarm	Alarm	B	283	10283	● ¹	● ¹	● ¹	● ¹	● ¹	ECDIS
All position sensors lost	Alarm	B	---	10284		●			● ⁶	TCS
All heading sensors lost	Alarm	B	---	10285					● ⁶	TCS
Chart area with special conditions	Warning	A	524	10524	●	●	●	●	●	ECDIS
Lost sensor COG/SOG 1	Warning	B	525	10525	●	●	●	●		ECDIS
Lost sensor COG/SOG 2	Warning	B	526	10526	●	●	●	●		ECDIS
Lost sensor Heading 1	Warning	B	527	10527	●	●			● ⁴	ECDIS
Lost sensor Heading 2	Warning	B	528	10528	●	●			● ⁴	ECDIS
Lost sensor Water Speed	Warning	B	529	10529	●	●				ECDIS
Lost sensor AIS	Warning	B	534	10534	●	●	●	●	●	ECDIS
Lost sensor Relative Wind	Warning	B	536	10536	●	●	●	●	●	ECDIS
Potentially dangerous chart object	Warning	A	538	10538	●	●	●	●	●	ECDIS
Change course early warning	Warning	A	540	10540			●	●		TCS
Change course last warning	Warning	A	541	10541			●	●		TCS
Danger CPA	Warning	A	542	10542	● ¹	● ¹	● ¹	● ¹	● ¹	ECDIS
Dynamic licensing payment is active	W / C	B	543	10543	W	C	W ¹¹	W ¹¹	W ¹¹	ECDIS
Dynamic licensing update deadline	W / C	B	544	10544	W	C	W ¹¹	W ¹¹	W ¹¹	ECDIS
Dynamic licensing credits low	W / C	B	545	10545	W	C	W ¹¹	W ¹¹	W ¹¹	ECDIS



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Alert	Priority	Cat.	Identifier		Configurations where present					Type
			ALR	ALF	STD Legacy	STD	2025 TCS	Emri TCS	5500 TCS	
Chart licenses expiring (over 50%)	W / C	B	546	10546	W	C	W ¹¹	W ¹¹	W ¹¹	ECDIS
Missing link to other ECDIS	Warning	B	547	10547	●	●	●	●	●	ECDIS
Target buffer use > 95% reduce range	Warning	B	548	10548	●	●	●	●	●	ECDIS
Target buffer full reduce range	Warning	B	549	10549	●	●	●	●	●	ECDIS
AIS target in no go area	Warning	B	550	10550	● ¹	● ¹	● ¹	● ¹	● ¹	ECDIS
Anchor guard warning	Warning	B	551	10551	● ¹	● ¹	● ¹	● ¹	● ¹	ECDIS
Sounder position err. Setup / Sounder	Warning	B	552	10552	●	●	●	●	●	ECDIS
Lost synchronization link for charts	Warning	B	553	10553	●	●	●	●	●	ECDIS
Updating charts, antigrounding off	Warning	B	554	10554	●	●	●	●	●	ECDIS
System watchdog is offline	Warning	B	556	10556	●	●	●	●	●	ECDIS
Lost connection to BAM	Warning	B	557	10557	●	●	●	●	●	ECDIS
Lost sensor Position 1	Warning	B	--- ⁷	10558		●			●	TCS
Lost sensor Position 2	Warning	B	--- ⁷	10559		●			●	TCS
Track Control Stopped	W / A	A	--- ⁷	10560					W ^{5,6}	TCS
Back-up Navigator alarm active	Warning	B	--- ⁷	10561					●	ECDIS
Switch to Heading Control or Manual	Warning	B	--- ⁷	10562					● ⁸	TCS
Course difference limit exceeded	Warning	B	563	10563			● ¹	● ¹	●	TCS
Lost autopilot communication	Warning	B	--- ⁷	10565					●	TCS
Lost autopilot alert communication	Warning	B	--- ⁷	10566					●	TCS
All time limited chart objects shown	Caution	B	1	11025	●	●	●	●	●	ECDIS
Refer to paper charts	Caution	B	2	11026	●	●	●	●	●	ECDIS
Refer to paper charts or S52 pres.	Caution	B	3	11027	●	●	●	●	●	ECDIS
AIS range is limited	Caution	B	4	11028	●	●	●	●	●	ECDIS
Sleeping Ais class B vessels hidden	Caution	B	5	11029	●	●	●	●	●	ECDIS
No alarm raised for lost close targets	Caution	B	6	11030	●	●	●	●	●	ECDIS
Refer to Navtex wnd for full msg list	Caution	B	8	11032	●	●	●	●	●	ECDIS
Chart area with special conditions	Caution	B	9	11033	●	●	●	●	●	ECDIS
Potentially dangerous chart object	Caution	B	10	11034	●	●	●	●	●	ECDIS

Note 1: Optional

Note 2: ECDIS alert, if enabled

Note 4: TCS alert for this configuration

Note 5: Escalates to Alarm after 30 seconds if not acknowledged

Note 6: Triggers Back-up navigator alert after 30 seconds unacknowledged as alarm

Note 7: Only ALF alert communication is allowed in this configuration

Note 8: Repeated every 2 minutes, and returned to unacknowledged state if acknowledged

Note 9: TCS alert for this configuration while TCS is active (aggregated on TECDIS with the ECDIS off-track alarm)

Note 10: Priority is Warning for this configuration if alert Legacy mode is disabled.

Note 11: Priority is Caution for this configuration if alert Legacy mode is disabled.

Note on alert Legacy mode

The alert Legacy mode was introduced with TECDIS version 4.7.x.28 to gracefully handle changes in alert management when updating existing systems to new software.

- Alert Legacy mode is **disabled** by default on TECDIS units delivered with software version 4.7.x.28 or newer.
- Alert Legacy mode is **enabled** by default on TECDIS units delivered with older software.
- To enable: Make the following setting: TELchart.ini, [Setup] alarm_legacy_mode=1
- To disable: Make the following setting: TELchart.ini, [Setup] alarm_legacy_mode=0



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Additional Track Control alerts with NP5500

Additional alerts may be triggered in TCS application with Raytheon Anschütz NP5500. All of these additional alerts are categorized as TCS alarms.

Alert	Mnemonic	ALF ID	Priority	Category	Sent from AP
Power Failure		153	Alarm ⁴	B	•
TC Interr Select Manual Steering Mode	ANZ	18004	Alarm ⁴	B	
Gyro - TMC Difference		155	Warning ^{2,4}	B	•
Low Speed		159	Warning ^{2,4}	B	•
TC Interr Magnetic Heading Selected	ANZ	18035	Warning ^{2,4}	B	
TC Interr No Position	ANZ	18036	Warning ^{2,4}	B	
TC Interr Position jumped	ANZ	18041	Warning ^{2,4}	B	
TC Interr Change Angle too big	ANZ	18045	Warning ^{2,4}	B	
TC Interr Distance to TO-Wpt too short	ANZ	18046	Warning ^{2,4}	B	
TC Interr Distance TO/NEXT-Wpt too short	ANZ	18047	Warning ^{2,4}	B	
TC Interr Wheeloverline Overrun	ANZ	18048	Warning ^{2,4}	B	
TC Interr Track too far away	ANZ	18049	Warning ^{2,4}	B	
TC Interr Too close to Waypoint	ANZ	18050	Warning ^{2,4}	B	
TC Interr No ECDIS Status	ANZ	18055	Warning ^{2,4}	B	•
TC Interr Missing Waypoint	ANZ	18056	Warning ^{2,4}	B	
Switch to a valid Speed Source	ANZ	18063	Warning ⁵	B	
Valid Speed Source is available	ANZ	18064	Warning	B	
Track End X min	ANZ	18067	Warning ^{1,3,4}	A	
WOP IN X MINUTES OR LESS	ANZ	18072	Warning ^{1,3,4}	A	
WOP IN 30 SECONDS OR LESS	ANZ	18073	Warning ^{1,3,4}	A	
Switch to a valid Position Source	ANZ	18078	Warning ⁵	B	
Valid Position Source is available	ANZ	18079	Warning	B	
New Track X °	ANZ	18107	Caution	B	
Changing Track to X °	ANZ	18108	Caution	A	
Changed Waypoints	ANZ	18110	Caution	B	

Note 1: Escalates to Alarm after 30 seconds if not acknowledged

Note 2: Escalates to Alarm after 60 seconds if not acknowledged

Note 3: Triggers Back-up navigator alert from TECDIS after 30 seconds unacknowledged as alarm

Note 4: Triggers Back-up navigator alert from NP5500 after 30 seconds unacknowledged as alarm, if back-up navigator alert is enabled on the autopilot

Note 5: Repeated every 2 minutes, and returned to unacknowledged state if acknowledged

Document Revision History

Revision	Date	Changes
01	14.01.2015	Initial release. Valid for TECDIS ver. 4.7.x.25 VAL
02	28.01.2015	Additional alerts in TCS with Anschütz NP5500 mode added.
03	15.02.2015	Two new chart related caution alerts added. (ver.4.7.x.25)
04	25.08.2015	Alert Legacy mode introduced with corresponding changes.