

ISO 16844-7:2022-05 (E)

Road vehicles - Tachograph systems - Part 7: Parameters

Contents		Page
Foreword		vii
Introduction		viii
1	Scope	1
2	Normative references	1
3	Terms and definitions	1
4	Symbols and abbreviated terms	1
5	Identifiers specification for diagnostic services	2
5.1	Data identifiers (DID)	2
5.2	Routine identifiers (RID)	6
6	Parameters and values	7
6.1	Transmitted parameter ranges	7
6.2	Structured parameters	7
6.3	Date and time parameter specifications	7
6.3.1	Day	7
6.3.2	Month	7
6.3.3	Year	7
6.4	Parameter specifications	7
6.4.1	Standard revision	7
6.4.2	VIN -- Vehicle Identification Number	8
6.4.3	Trip group 1	8
6.4.4	System event	8
6.4.5	Handling information	8
6.4.6	Tachograph performance	9
6.4.7	Direction indicator	9
6.4.8	Requested illumination percentage	9
6.4.9	Switch backlight illumination brightness per cent	9
6.4.10	Switch indication illumination brightness per cent	9
6.4.11	RSDST -- Remote Session Diagnostic Session Type	9
6.4.12	TVS -- Tachograph Vehicle Speed	9
6.4.13	D1WS -- Driver 1 Working State	10
6.4.14	D2WS -- Driver 2 Working State	10
6.4.15	DR -- Drive Recognize	10
6.4.16	D1TRS -- Driver 1 Time Related States	11
6.4.17	D2TRS -- Driver 2 Time Related States	11
6.4.18	DCD1 -- Driver Card Driver 1	12
6.4.19	DCD2 -- Driver Card Driver 2	12
6.4.20	OS -- Overspeed	12
6.4.21	TD -- Time Date	13
6.4.22	RHM -- Reset Heartbeat Message	13
6.4.23	ALMO -- Adjust Local Minute Offset	13
6.4.24	ALHO -- Adjust Local Hour Offset	14
6.4.25	PLOTM -- Priority Level of TCO1 Message	14
6.4.26	HRTVD -- High Resolution Total Vehicle Distance	14
6.4.27	HRTD -- High Resolution Trip Distance	14
6.4.28	SCI -- Service Component Identification	15

6.4.29	SDCTB -- ServiceDelayCalendarTimeBased	15
6.4.30	D1I -- Driver1Identification	16
6.4.31	D2I -- Driver2Identification	16
6.4.32	KF -- KFactor	16
6.4.33	SMR -- SpeedMeasurementRange	17
6.4.34	NOTOPW -- NumberOfTeethOnPhonicWheel	17
6.4.35	TOSS -- TachographOutputShaftSpeed	17
6.4.36	LFTC -- LFactorTyreCircumference	18
6.4.37	WVCF -- WVehicleCharacteristicFactor	18
6.4.38	PPROOS -- PulsesPerRevolutionOfOutputShaft	18
6.4.39	TRROTM -- TransmissionRepetitionRateOfTCO1Message	19
6.4.40	TS -- TyreSize	19
6.4.41	NCD -- NextCalibrationDate	19
6.4.42	D1CDT -- Driver1ContinuousDrivingTime	19
6.4.43	D2CDT -- Driver2ContinuousDrivingTime	20
6.4.44	D1CBT -- Driver1CumulativeBreakTime	20
6.4.45	D2CBT -- Driver2CumulativeBreakTime	20
6.4.46	D1CDOSA -- Driver1CurrentDurationOfSelectedActivity	21
6.4.47	D2CDOSA -- Driver2CurrentDurationOfSelectedActivity	21
6.4.48	SA -- SpeedAuthorised	21
6.4.49	TCS1 -- TachographCardSlot1	22
6.4.50	TCS2 -- TachographCardSlot2	22
6.4.51	D1N -- Driver1Name	22
6.4.52	D2N -- Driver2Name	23
6.4.53	OOSC -- OutOfScopeCondition	23
6.4.54	MOD -- ModeOfOperation	24
6.4.55	D1CDTPACW -- Driver1CumulatedDrivingTimePreviousAndCurrentWeek	24
6.4.56	D2CDTPACW -- Driver2CumulatedDrivingTimePreviousAndCurrentWeek	24
6.4.57	RTSP -- RealTimeSpeedPulses	25
6.4.58	ES -- EngineSpeed	25
6.4.59	CIO -- CalibrationInputOutput	25
6.4.60	SJW -- SynchronizationJumpWidth	26
6.4.61	SP -- SamplePoint	27
6.4.62	TOMED -- TimeOutMessageErrorDelay	27
6.4.63	EMII -- ErrorManagementInitialisationInhibition	27
6.4.64	RMS -- RegisteringMemberState	28
6.4.65	VRN -- VehicleRegistrationNumber	28
6.4.66	VRD -- VehicleRegistrationDate	28
6.4.67	D1PL -- Driver1PreferredLanguage	29
6.4.68	D2PL -- Driver2PreferredLanguage	29
6.4.69	DC1DTP -- DriverCard1DownloadTimePeriod	29
6.4.70	DC2DTP -- DriverCard2DownloadTimePeriod	30
6.4.71	TDTP -- TachographDownloadTimePeriod	30
6.4.72	DHRPWT -- DriversHoursRulesPreWarningTimeDelay	30
6.4.73	DCEWTD -- DriverCardExpiryWarningTimeDelay	31
6.4.74	NDC1DWTD -- NextDriverCard1DownloadWarningTimeDelay	31
6.4.75	NDC2DWTD -- NextDriverCard2DownloadWarningTimeDelay	31
6.4.76	NTDWTD -- NextTachographDownloadWarningTimeDelay	32
6.4.77	NCWTD -- NextCalibrationWarningTimeDelay	32
6.4.78	D1EOLDRP -- Driver1EndOfLastDailyRestPeriod	32
6.4.79	D2EOLDRP -- Driver2EndOfLastDailyRestPeriod	33
6.4.80	D1EOLWRP -- Driver1EndOfLastWeeklyRestPeriod	33
6.4.81	D2EOLWRP -- Driver2EndOfLastWeeklyRestPeriod	33
6.4.82	D1EOSLWRP -- Driver1EndOfSecondLastWeeklyRestPeriod	33
6.4.83	D2EOSLWRP -- Driver2EndOfSecondLastWeeklyRestPeriod	34
6.4.84	D1CDDT -- Driver1CurrentDailyDrivingTime	34
6.4.85	D2CDDT -- Driver2CurrentDailyDrivingTime	34
6.4.86	D1CWDT -- Driver1CurrentWeeklyDrivingTime	35
6.4.87	D2CWDT -- Driver2CurrentWeeklyDrivingTime	35
6.4.88	D1TLUNDRP -- Driver1TimeLeftUntilNewDailyRestPeriod	35
6.4.89	D2TLUNDRP -- Driver2TimeLeftUntilNewDailyRestPeriod	35

6.4.90	D1CED -- Driver1CardExpiryDate	36
6.4.91	D2CED -- Driver2CardExpiryDate	36
6.4.92	D1CNMDD -- Driver1CardNextMandatoryDownloadDate	36
6.4.93	D2CNMDD -- Driver2CardNextMandatoryDownloadDate	37
6.4.94	TNMDD -- TachographNextMandatoryDownloadDate	37
6.4.95	D1TLUNWRP -- Driver1TimeLeftUntilNewWeeklyRestPeriod	37
6.4.96	D2TLUNWRP -- Driver2TimeLeftUntilNewWeeklyRestPeriod	38
6.4.97	D1NOT9HDDTE -- Driver1NumberOfTimes9hDailyDrivingTimesExceeded	38
6.4.98	D2NOT9HDDTE -- Driver2NumberOfTimes9hDailyDrivingTimesExceeded	38
6.4.99	D1CURT -- Driver1CumulativeUninterruptedRestTime	39
6.4.100	D2CURT -- Driver2CumulativeUninterruptedRestTime	39
6.4.101	D1MDR -- Driver1MinimumDailyRest	39
6.4.102	D2MDR -- Driver2MinimumDailyRest	39
6.4.103	D1MWR -- Driver1MinimumWeeklyRest	40
6.4.104	D2MWR -- Driver2MinimumWeeklyRest	40
6.4.105	D1MDP -- Driver1MaximumDailyPeriod	40
6.4.106	D2MDP -- Driver2MaximumDailyPeriod	41
6.4.107	D1MDDT -- Driver1MaximumDailyDrivingTime	41
6.4.108	D2MDDT -- Driver2MaximumDailyDrivingTime	41
6.4.109	D1NOURDRP -- Driver1NumberOfUsedReducedDailyRestPeriods	42
6.4.110	D2NOURDRP -- Driver2NumberOfUsedReducedDailyRestPeriods	42
6.4.111	D1RCDT -- Driver1RemainingCurrentDrivingTime	42
6.4.112	D2RCDT -- Driver2RemainingCurrentDrivingTime	43
6.4.113	D1RDTOCS -- Driver1RemainingDrivingTimeOnCurrentShift	43
6.4.114	D2RDTOCS -- Driver2RemainingDrivingTimeOnCurrentShift	43
6.4.115	D1RDTOCW -- Driver1RemainingDrivingTimeOfCurrentWeek	43
6.4.116	D2RDTOCW -- Driver2RemainingDrivingTimeOfCurrentWeek	44
6.4.117	D1R2WDT -- Driver1Remaining2WeeksDrivingTime	44
6.4.118	D2R2WDT -- Driver2Remaining2WeeksDrivingTime	44
6.4.119	D1TLUNDP -- Driver1TimeLeftUntilNextDrivingPeriod	45
6.4.120	D2TLUNDP -- Driver2TimeLeftUntilNextDrivingPeriod	45
6.4.121	D1DONDP -- Driver1DurationOfNextDrivingPeriod	45
6.4.122	D2DONDP -- Driver2DurationOfNextDrivingPeriod	46
6.4.123	D1DONBR -- Driver1DurationOfNextBreakRest	46
6.4.124	D2DONBR -- Driver2DurationOfNextBreakRest	46
6.4.125	D1RTOCBR -- Driver1RemainingTimeOfCurrentBreakRest	46
6.4.126	D2RTOCBR -- Driver2RemainingTimeOfCurrentBreakRest	47
6.4.127	D1RTUNBOR -- Driver1RemainingTimeUntilNextBreakOrRest	47
6.4.128	D2RTUNBOR -- Driver2RemainingTimeUntilNextBreakOrRest	47
6.4.129	D1OCITLW -- Driver1OpenCompensationInTheLastWeek	48
6.4.130	D2OCITLW -- Driver2OpenCompensationInTheLastWeek	48
6.4.131	D1OCIWBL -- Driver1OpenCompensationInWeekBeforeLast	48
6.4.132	D2OCIWBL -- Driver2OpenCompensationInWeekBeforeLast	49
6.4.133	D1OCI2WBL -- Driver1OpenCompensationIn2ndWeekBeforeLast	49
6.4.134	D2OCI2WBL -- Driver2OpenCompensationIn2ndWeekBeforeLast	49
6.4.135	D1AI -- Driver1AdditionalInformation	49
6.4.136	D2AI -- Driver2AdditionalInformation	51
6.4.137	MSSN - MotionSensorSerialNumber	51
6.4.138	RCFSN - RemoteCommunicationFacilitySerialNumber	51
6.4.139	EGNSSFSN - ExternalGNSSFacilitySerialNumber	51
6.4.140	STSSN - SmartTachographSealsSerialNumber	52
6.4.141	VSN - VuSerialNumber	52
6.4.142	BDLT - ByDefaultLoadType	52
6.4.143	TCG1S - TachographCardsGen1Suppression	52
6.4.144	VP - VehiclePosition	53
6.4.145	CC - CalibrationCountry	53
6.4.146	D1TLLUO - Driver1TimeLastLoadUnloadOperation	53
6.4.147	D2TLLUO - Driver2TimeLastLoadUnloadOperation	54
6.4.148	DCOPD - DriversConsentOnPrivateData	54
6.4.149	FTS --FerryTrainStatus	54
7	DTCs for tachograph system	55
	Bibliography	56