

DIN EN 1545-1:2006-02 (E)

Identification card systems - Surface transport applications - Part 1: Elementary data types, general code lists and general data elements

Contents		Page
1	Scope	10
2	Normative references	11
3	Terms and definitions	11
4	Abbreviations	13
5	Approach for definition of data types and data elements	13
5.1	Data types and data elements	13
5.2	ASN.1 type naming conventions	14
5.3	Existing standards	14
5.4	Value range identifiers	14
5.5	Size constraints	14
6	Elementary data types	14
6.1	Address	14
6.2	Amount	14
6.3	ApplicationInstanceNumber	15
6.4	Authenticator	15
6.5	BCDStringType	15
6.6	BitMap	15
6.7	Capacity	16
6.8	CompanyId	16
6.9	Counter	16
6.10	CountryAlpha	16
6.11	CountryNumeric	16
6.12	Currency	16
6.13	Databin	16
6.14	DateCompact	16
6.15	Datef	17
6.16	DateStamp	17
6.17	DateTimeCompact	17
6.18	DateTimeStamp	17
6.19	DayOfWeek	18
6.20	Duration	18
6.21	Flag	18
6.22	HalfDayOfWeek	18
6.23	HalfDayType	19
6.24	IAI	20
6.25	IIN	20
6.26	InstancePointer	20
6.27	INT1	20
6.28	INT2	20
6.29	INT3	21
6.30	INT4	21
6.31	INTM	21
6.32	INTP	21
6.33	INTS	21
6.34	LanguageAlpha	21
6.35	LanguageId	21

6.36	Length	21
6.37	MappingType	22
6.38	MeasuredParameters	22
6.39	Name	22
6.40	NetworkAccess	23
6.41	NetworkId	24
6.42	NetworkSpecificCompanyId	24
6.43	Number	24
6.44	NumberUnit	24
6.45	ObjectIdentifier	24
6.46	Payment	24
6.47	PayUnitMap	24
6.48	Percentage-0	25
6.49	Percentage-1	25
6.50	Percentage-2	25
6.51	PeriodOfDay	25
6.52	Permission	26
6.53	PointerValue	26
6.54	Ptag	26
6.55	Quantity	26
6.56	ReferenceIdentifier	26
6.57	ReferenceNumber	26
6.58	Restriction	26
6.59	SequenceNumber	26
6.60	ShortName	27
6.61	SignedAmount	27
6.62	SignedInteger1	27
6.63	SignedInteger2	27
6.64	SignedInteger3	27
6.65	Speed	27
6.66	TimeCompact	27
6.67	TimeMeasure	28
6.68	TimeReal	28
6.69	TimeStamp	28
6.70	VehicleNumber	28
6.71	VersionNumber	28
6.72	Weight	28
7	Data elements with associated code lists	29
7.1	CapacityUnit	29
7.2	CommercialTransportProductCode	29
7.3	ConditionCode	30
7.4	DayOfValidityCode	31
7.5	DestinationOrOriginCode	31
7.6	DeviceTypeCode	31
7.7	DirectionCode	31
7.8	EntitlementTypeCode	32
7.9	EventTypeCode	32
7.10	GenderCode	33
7.11	HotListStatusCode	33
7.12	LanguageCode	34
7.13	LegislationCode	38
7.14	LengthUnit	38
7.15	LocationQualifierCode	38
7.16	LocationTypeCode	38
7.17	PersonalisationBiometricCode	39
7.18	PersonalisationTypeCode	39
7.19	PointerQualifierCode	39
7.20	PreferenceTypeCode	40
7.21	ProfileCodeOP	40
7.22	ProfileCodeNetwork	41
7.23	ReferenceTypeCode	41

7.24	RestrictTimeCode	41
7.25	ResultCode	42
7.26	RevocationDetailsCode	42
7.27	RoundingCode	42
7.28	SecurityServicesCode	43
7.29	SeriousnessCode	43
7.30	SpeedUnit	43
7.31	StatusCode	43
7.32	TimeUnit	44
7.33	TransactionModeCode	44
7.34	TransportTypeCode	44
7.35	UserActionCode	45
7.36	WeightUnit	46
8	General data elements	46
8.1	AccountingId	46
8.2	ActionListSequenceNumber	46
8.3	AlgorithmId	46
8.4	ApplicationId	46
8.5	ApplicationOwner	46
8.6	BirthDate	47
8.7	BirthName	47
8.8	BirthPlace	47
8.9	CollectionAndForwardingOperator	47
8.10	CompanyName	47
8.11	ContractDependencyPointer	47
8.12	ContractTypesAllowed	47
8.13	CustomerContractProvider	48
8.14	CustomerNumber	48
8.15	Date	48
8.16	DateTime	48
8.17	DateTimeBand	48
8.18	DeductionPercentage	48
8.19	DelayCounter	48
8.20	DeviceId	48
8.21	DisplayMessageNumber	49
8.22	EmailAddress	49
8.23	EndDate	49
8.24	EndDatePeriod	49
8.25	EndDatePeriodStamp	49
8.26	EndDateStamp	49
8.27	EndTime	49
8.28	EndTimeStamp	50
8.29	EntryPointer	50
8.30	EventClassification	50
8.31	EventDateStamp	50
8.32	EventDisplayMessageId	50
8.33	EventPointer	50
8.34	FacilityProvider	51
8.35	FarthestPlace	51
8.36	Fax	51
8.37	Forename	51
8.38	HangoverPeriod	51
8.39	HolderAddress	51
8.40	HolderCompany	51
8.41	HolderId	52
8.42	HolderProfiles	52
8.43	IdentityDocumentId	52
8.44	IssueDateStamp	52
8.45	KeyVersionNumber	52
8.46	LastMinuteSale	52
8.47	LevelIndicator	52

8.48	LocationId	53
8.49	LocationIdentifier	53
8.50	LockTime	53
8.51	MaxAbnormalEvents	53
8.52	MostRecentPointer	53
8.53	NotOKCounter	53
8.54	NumberOfContracts	54
8.55	NumberOfEntries	54
8.56	NumberOfTimePeriods	54
8.57	PermitPeriodOfDay	54
8.58	PostCodeId	54
8.59	Priority	54
8.60	ProductOwner	54
8.61	ProductRetailer	55
8.62	ProductStatus	55
8.63	ReceiptData	55
8.64	ReceiptPoint	55
8.65	ReservationId	55
8.66	RestrictedDayOfWeek	55
8.67	RestrictedHalfDayOfWeek	56
8.68	RestrictedLocation	56
8.69	RestrictedPeriodOfDay	56
8.70	RestrictionEnd	56
8.71	RestrictionEndDate	56
8.72	RestrictionStart	56
8.73	SalesPoint	56
8.74	SecondaryFlag	57
8.75	SectionNumber	57
8.76	SecurityVersion	57
8.77	SerialNumber	57
8.78	ServiceOperator	57
8.79	StartDate	58
8.80	StartDatePeriod	58
8.81	StartDatePeriodStamp	58
8.82	StartDateStamp	58
8.83	StartTime	58
8.84	StartTimeStamp	58
8.85	StructureReferenceNumber	58
8.86	Surname	59
8.87	Telephone	59
8.88	TestFlag	59
8.89	Time	59
8.90	TransactionOperator	59
8.91	TransactionSequenceNumber	60
8.92	UnblockInstanceNumber	60
8.93	UserData	60
8.94	ValidationCounter	60
8.95	ValidationStatus	60
8.96	ValidDayOfExpiry	60
8.97	ValidDayOfIssue	61
8.98	ValidityCheckFlag	61
8.99	ValidityDuration	61
8.100	VehicleId	61
8.101	VersionNumberFor1545	61
9	Encoding rules	62
9.1	General	62
9.2	Basic encoding rules (BER)	62
9.3	Alternative encoding rules	62
9.3.1	General	62
9.3.2	Packed encoding rules	62
9.3.3	Other encoding rules	62

9.4	Value and size range definitions	62
10	Backwards compatibility	63
11	Transport general module definition	63
	Annex A (normative) Assignment of object identifiers	81
	Annex B (normative) Tags	82
	Annex D (informative) Index	90