Elapsed Time Service (ETS)

Bluetooth® Implementation Conformance Statement (ICS) Proforma

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1 Identification of the implementation

1.1 Implementation Under Test (IUT) identification

Identification of the Implementation Under Test (IUT) is to be filled in to provide as much detail as possible regarding version numbers and configuration options.

An ICS contact person to respond to queries regarding information supplied in this ICS proforma is named in the Declaration of Compliance: Summary of Selected Specifications in Implementation.



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1.2 Versions

Table 0: X.Y Versions

Item	Version	Reference	Status
1	ETS v1.0	[1]	М

Table 1: X.Y.Z Versions

Table number reserved but not yet in use.

1.3 Transports

Table 2: Transport Requirements

Item	Transport	Reference	Status
1	Service supported over BR/EDR	[1] 2.3	C.1
2	Service supported over LE	[1] 2.3	C.1

C.1: Mandatory to support at least one.

1.4 Features

Table 3: Features

Item	Capability	Reference	Status
1	Time is UTC	[1] 3.1.2.1	C.1
2	2 Time is Local time		C.1
3	Time is a Tick counter		C.1
4	4 TZ/DST offset		0
5	Server Supports Connections to Multiple Clients	[1] 3.1.2.2	0
6	Server Supports Time Source Quality Too Low error responses	[1] 3.1.2.3	0
7 Update Time Value Via UI		[1] 3.1.1.2	0

C.1: Mandatory to support one and only one.

1.5 Service Requirements

1.5.1 Elapsed Time Service

Table 4: Elapsed Time Service

Item	tem Capability		Status
1	Current Elapsed Time characteristic	[1] 3, 3.1	М
2	Current Elapsed Time characteristic with write	[1] 3, 3.1	0



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1.6 GATT Requirements

Table 5: GATT Requirements

Item	Capability	Reference	Status	Inter-Layer Dependency
1	Generic Attribute Profile (GATT) Server	[1] 2.5	M	[2] GATT 1/2
2	Indications	[1] 2.5	М	[2] GATT 4/18
3	Read Characteristic Descriptors	[1] 2.5	М	[2] GATT 4/19
4	Write Characteristic Descriptors	[1] 2.5	М	[2] GATT 4/21
5	Write Characteristic Value	[1] 2.5	C.1	[2] GATT 4/14

C.1: Mandatory IF ETS 4/2 "Current Elapsed Time characteristic with write", otherwise not defined.

1.7 SDP Requirements

Table 6: SDP Requirements

Prerequisite: ETS 2/1 "Service supported over BR/EDR"

Item	Capability	Reference	Status	Inter-Layer Dependency
1	Server	[1] 4	М	[3] SDP 1b/1
2	ProtocolDescriptorList	[1] 4	М	[3] SDP 9/2
3	BrowseGroupList	[1] 4	М	[3] SDP 9/5

2 References

- [1] Elapsed Time Service Specification, Version 1.0
- [2] ICS Proforma for Generic Attribute Profile (GATT)
- [3] ICS Proforma for Service Discovery Protocol (SDP)



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3 Revision history and acknowledgments

Revision History

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0	p0	2023-06-13	Approved by BTI on 2022-12-05. ETS v1.0 adopted by the BoD on 2023-06-13. Prepared for initial publication.

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