

**OBJECT****Calypso  
List of Technical Documents****1 CALYPSO SPECIFICATIONS****Revision 3 Specification**

<i>Documentation</i>	<i>Reference</i>	<i>Access Level</i>	<i>Version</i>
Portable Object Application	060708-CalypsoAppli	Registered	3.3
	060708-CalypsoAppli	Registered	3.2
	060708-CalypsoAppli	Registered	3.1
	090316-MU-CalypsoR3Amd1	Registered	1.0
	090317-MU-CalypsoR3Note1	Registered	1.0
Generic Example File Structures	060709-CalypsoFiles	Registered	1.9

**Revision 2 Specification**

<i>Documentation</i>	<i>Reference</i>	<i>Access Level</i>	<i>Version</i>
Detailed Specification – Revision 2	010209-MU-CalypsoCardSpec	Registered	2.4
	060908-MU-CalypsoR2Amd1	Registered	1.1

**Technical Notes**

<i>Documentation</i>	<i>Reference</i>	<i>Access Level</i>	<i>Version</i>
Calypso Technical Notes – General	CalypsoTN001-StartupInfo	Registered	190910
	CalypsoTN014-SerialNumber	Registered	170607
	CalypsoTN024-SessionSecuritGuidelines	CNA Member	190621
Calypso Technical Notes – Revision 3	CalypsoTN308-Ratification	CNA Member	140403
	CalypsoTN309-Key Selection	CNA Member	140129
	CalypsoTN311-SessionIssues	CNA Member	151023
	CalypsoTN313-SessionTrace	CNA Member	160913
	CalypsoTN315-StoredValue	CNA Member	160913
	CalypsoTN318-PrePerso	CNA Member	151026
	CalypsoTN319-SvSupervision	CNA Member	140129
	CalypsoTN021-CnaPubKey	CNA Member	190910
	CalypsoTN323-Initialization	CNA Member	190614
	<b>CalypsoTN325-Rev33PkiVerification</b>	<b>CNA Member</b>	<b>190820</b>
Calypso Technical Notes – Revision 2	CalypsoTN003-CompatTypeAB	CNA Member	021227
	CalypsoTN008-Ratification	CNA Member	081003
	CalypsoTN009-Key Selection	CNA Member	060829
	CalypsoTN011-SessionIssues	CNA Member	101008
	CalypsoTN012-ISO14443B	CNA Member	050117
	CalypsoTN013-SessionTrace	CNA Member	101008



<b>List of Calypso Technical Documents</b>	Page 2 / 6
Ref.: 020430-NE-SpecsList	Version 3.06
	Date 17 December 2019

Calypso Technical Notes – SAM	CalypsoTN005-HSP	CNA Member	110817
	CalypsoTN006-DataCertif	Confidential	021227
	CalypsoTN007-OffLineSamLoad	Confidential	021227
	CalypsoTN016-ContractSign	CNA Member	130515
	CalypsoTN017-SamSupply	CNA Member	140129
Deprecated	CalypsoTN002-OpenSession	CNA Member	010530
	CalypsoTN004-Counters	CNA Member	010530
	CalypsoTN010-CardPIN	CNA Member	030605

#### Other Calypso Documents (Specifications, Guidelines, etc.)

Documentation	Reference	Access Level	Version
Light Application for Portable Objects	170101-CalypsoLightApplication	Registered	1.2
<b>Calypso Basic</b>	<b>191011-CalypsoBasic</b>	<b>Registered</b>	<b>1.0</b>
Calypso HCE Application	141113-CalypsoHCEApplication	Registered	1.4
Calypso HCE Functional Specification	180314-CalypsoHCEGenSpecs	Registered	2
Calypso HCE Guidelines	150422-CalypsoHCEGuidelines	CNA Member	1.0
<b>Account Based Ticketing Guidelines</b>	<b>180901-AccountBasedTicketing-Guidelines</b>	<b>CNA Member</b>	<b>1.0</b>
Reader Recommendations	091018-ReaderRecommendations	Registered	1.1
Generic ID Photo files for Calypso	141118-GenericIDPhotoFiles	CNA Member	1.0
Calypso Applet Download	090128-ApplicationDownload	Registered	1.1
Product Remote Loading	090424-ProductRemoteLoading	CNA Member	1.1
Calypso vs. EMV Contactless	100615-CalypsovsEMVCoSpecs	Registered	1.0

#### Others Documents (French Interoperability)

Documentation	Reference	Access Level	Version
Innovatron Radio Protocol (B') (pre-ISO 14443 B)	960613-SE-PMO-ProtBdgSP	Registered	3.2
Interopérabilité TLB	SES 1566	Registered	D
Référentiel Commun Télébillettique Île de France	RCTIF	Registered	4.0 Rev B

**2 SECURITY MANAGEMENT**

<i>Documentation</i>	<i>Reference</i>	<i>Access Level</i>	<i>Version</i>
Calypso Security – White Paper	080131-CalypsoSecurity	Registered	1.1
Functional Presentation: SAM and Key management	CalypsoFP01-SAM	Public	140307
Security Architecture and Key Ceremony	170202-SecurityArchitecture	CNA Member	1.0
Functional Presentation: On the Forefront of Security with Calypso	CalypsoFP02-SecurityForefront	Registered	140724
Test SAM Description	110619SDI-UM-SamTestF5	CNA Member	6.0
	070509SDI-UM-SamTestF5v2	CNA Member	1.2
SAM-C1	101010-SamCalypso	Confidential	1.6
SAM-S1	041115SDI-SE-SAMS1E	Confidential	1.6
	111007FLV-NT-SamUpdate	Registered	1.2
	000522SDI-SE-SAMS1D	Confidential	2.4
	030918SDI-NE-SamD246ToD7	Confidential	1.1
Java Card Activation Module	080118-UM-ActivationModule	Confidential	1.3
HCE Authorization Module	150118-UM-HceAuthorizationModule	Confidential	3
Calypso SAM in a NFC phone	120214-SamNfcPhone	CNA Member	1.4

### 3 PRODUCTS

#### Java Card Packages

<i>Documentation</i>	<i>Reference</i>	<i>Access Level</i>	<i>Version</i>
'CNA Calypso rev 3.1 Applet' User Guide	130507-CnaCalypsoApplet_UserGuide	Registered	1.1

#### CD21

<i>Documentation</i>	<i>Reference</i>	<i>Access Level</i>	<i>Version</i>
CD21 User Manual	UmCd21-2kPlus-8K_OrgaComm	Registered	Rev 4
CD21-Rev3 – Additional Features	Um_Cd21Rev3_OrgaComm	Registered	Rev 1
CD21-Rev3 – Revision 3 Applications	UM_Cd21Rev3_App	Registered	Rev 1
CD21-Rev32 – Additional Features	UM_CD21_Rev32_OrgaComm	Registered	Rev 2
CD21-Rev32 – Revision 3 Applications	UM_CD21_Rev32_App	Registered	Rev 2

#### SOMA

<i>Documentation</i>	<i>Reference</i>	<i>Access Level</i>	<i>Version</i>
SOMA Atlas V1 – User Manual	ArjoSystems_SOMA_ATLAS_CalypsoUser Manual	Registered	v1.2

#### TimeCOS

<i>Documentation</i>	<i>Reference</i>	<i>Access Level</i>	<i>Version</i>
TimeCOS Revision 2 User Manual	070629_UM_TimeCOS_Rev2	Registered	v1.5.6
TimeCOS Revision 3 Applications – User Manual	150702_UM_TimeCOS_Rev3_App	Registered	v1.0

#### CDS3

<i>Documentation</i>	<i>Reference</i>	<i>Access Level</i>	<i>Version</i>
CDS3 User Manual	071001-UM-CDS3	Registered	1.4
CDS3 Calypso Revision 3 Applications User Manual	071003-UM-CDS3-Rev3	Registered	1.2

#### CD Light

<i>Documentation</i>	<i>Reference</i>	<i>Access Level</i>	<i>Version</i>
CD Light User Manual	020906-MU-CDLight	Registered	1.4

**CD97-BX**

<i>Documentation</i>	<i>Reference</i>	<i>Access Level</i>	<i>Version</i>
CD97-BX User Manual	030312-MU-CD97BX	Registered	1.1
CD97-BX versus CD97	030522-NT-CD97BXvsCD97	Registered	1.0

**Obsolete Product: CD97**

<i>Documentation</i>	<i>Reference</i>	<i>Access Level</i>	<i>Version</i>
CD97 User Manual	000530-SE-SDI-CD97	Registered	3.0
	CD97Amendment01	Registered	1.2
	CD97Amendment02	Registered	1.1

**4 TERMINAL REGISTRATION**


<i>Documentation</i>	<i>Reference</i>	<i>Access Level</i>	<i>Version</i>
Audit Guideline	090601-LT-AuditGuideline	Registered	1.0
Audit Application Specification	090602-LT-AuditApplication	CNA Member	1.4
Terminal Requirements and Test Specification	090603-LT-Requirements	CNA Member	1.0
Terminal Recommendation – Draft 1	091018-ReaderRecommendations	CNA Member	P1
Test Specification Example	091201-TestSpecification-IsoB	CNA Member	–
Sample Audit Application	Sources-AuditAppli	CNA Member	1.0.6

**5 PUBLIC DOCUMENTS**

<i>Documentation</i>	<i>Reference</i>	<i>Access Level</i>	<i>Version</i>
Functional Card Application	010608-NT-CalypsoGenSpec	Public	1.5
Functional Presentation: SAM and Key management	CalypsoFP01-SAM	Public	140307

## 6 SCOPE, NOTATIONS AND DEFINITIONS

Documents related to *Hoplink* (previously called *Triangle*), to Calypso portable object certification or to Calypso terminal audit are out of scope.

In the lists of previous chapters, new documents and new document versions are in **bold** text with a  icon, and deprecated, obsolete or no more provided documents are in **grey** text.

### Access Levels

*Public* No prerequisite.

*Registered* Registration is required.  
*The form for free registration must be filled at [www.CalypsoStandard.net](http://www.CalypsoStandard.net).*

*CNA Member* Registration and CNA membership are required.  
*For any information about CNA membership please see [www.CalypsoNet-Asso.org](http://www.CalypsoNet-Asso.org).*

*Confidential* Registration, CNA membership and NDA are required.  
*The NDA template is available at [www.CalypsoStandard.net](http://www.CalypsoStandard.net).*

### Calypso Technical Contact

Spirtech  
29 rue du Louvre • 75002 PARIS • FRANCE  
[spirtech@spirtech.com](mailto:spirtech@spirtech.com)