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Version <u>10.087</u>

2001-06-20<del>2001-06-01</del>

# SyncML Implementation Conformance Statement Proforma

# Version <u>01</u>.<u>087</u>

### Abstract

The SyncML Implementation Conformance Statement is designed to be used by vendors to show their level of conformance with SyncML specifications.

Note that if your product can perform as both a client and a server, you will need to fill out both sets of forms.

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### **SyncML Initiative**

The following companies are Sponsors of the SyncML initiative:

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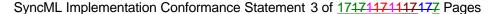
Matsushita Communications Industrial Co., Ltd.

Motorola Nokia

Palm, Inc. Openwave Starfish Software Psion Symbiantarfish Software

# **Revision History**

Revision	Date	Comments
<del>0</del> 1.4 <u>0</u>	200 <u>1</u> 0-11- <del>17</del> <u>02</u>	1 <sup>st</sup> -pass <u>Finalized for release.</u>
0.2	2000-12-14	Incorporate initial comments – such as adding in Protocol SCR, Authentication, and Transport section.
0.3	2001-01-15	Incorporated transport conformance tables.
0.4	2001-02-20	Corrected MIME type.
0.5	2001-03-08	Updated SCR tables to match errata. Updated Copyright.
0.6	2001-05-10	Corrected MetaInf and DevInfo tables. Added WSP table.
0.7	2001-06-01	Updated tables to match version 1.0.1 specifications.
<u>0.8</u>	<del>2001-06-20</del>	Updated media format table.





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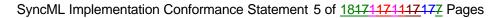
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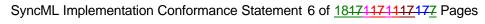




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### 1 Introduction

The purpose of this statement is to define a methodology for showing conformance with the SyncML Representation protocol [1], SyncML Sync Protocol [2] and appropriate transport. Vendors filling in this form will mark the items with either YES or NO, indicating whether the items are implemented or not. Mandatory items marked NO MUST have explanatory text.

NOTE: Server must be able to deal with with the two cases or packages 1 & 3 being sent seperately and combined.

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### 2 Product Information

### 2.1 Device and Contact Information

Device Name & Version	BF5 v1.0Openwave Client SyncML Protocol Stack v1.0
Company	<u>OpenwaveAlctel</u>
Contact Name	Tim Jenkins Mounia Ben Yahia
Contact Phone	+33 6 07 01 36 80 <del>01635 277556</del>
Contact Email	Mounia.Ben_Yahia@alcatel.frTim.Jenkins@openwave.com
Transports supported	OBEX[] WSP[Y] HTTP[]
Product is	Client [Y] Server []

# 2.2 Content Formats Supported

NOTE: If a server supports a data type listed below, it must also support the associated content format. Note: A server MUST support these content formats only if they are supporting the data type.

Data Type	Content Format	Supported (Y/N)
Contact	vCard 2.1	<u>YES</u>
	vCard 3.0 (optional)	<u>NO</u>
Calendar	viCalendar 1.0	YESNO
	ivCalendar 2.0 (optional)	<u>YESNO</u>
Memos	text/plain	NO NO
Tasks	vTodo 1.0	<u>NO</u>
Email	message/rfc822	NO NO
	message/rfc2822	NO NO
	Message/rfc2045	NO NO

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### 3 Server Conformance Tables

NOTE: Server SHOULD be able to log the XML and WBXML documents sent between the server and a client.

## 3.1 Representation Common Use Elements

Command	Required of Server		Implemented in Server	
	Sending	Receiving	Sending	Receiving
Archive	MAY	MUST		
Chal	MUST	MUST		
Cmd	MUST	MUST		
CmdID	MUST	MUST		
CmdRef	MUST	MUST		
Cred	MUST	MUST		
Final	MUST	MUST		
Lang	MAY	MAY		
LocName	MAY	MAY		
LocURI	MUST	MUST		
MsgID	MUST	MUST		
MsgRef	MUST	MUST		
NoResp	MAY	MUST		
NoResults	MAY	MAY		
RespURI	MAY	MUST		
SessionID*	MUST	MUST		
SftDel	MAY	MAY		
Source	MUST	MUST		
SourceRef	MUST	MUST		
Target	MUST	MUST		
TargetRef	MUST	MUST		
VerDTD	MUST	MUST		
VerProto	MUST	MUST		

<sup>\*</sup>The maximum length of a SessionID is 4 bytes. Note that a client having an 8 bit incrementing SessionID counter is enough for practical implementations.

# 3.2 Representation Message container elements

Command	Required of Server		Implement	ted in Server
	Sending	Receiving	Sending	Receiving
SyncML	MUST	MUST		
SyncHdr	MUST	MUST		
SyncBody	MUST	MUST		

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### 3.3 Data description elements

Command	Required of Server		Implement	ted in Server
	Sending	Receiving	Sending	Receiving
Data	MUST	MUST		
Item	MUST	MUST		
Meta	MUST	MUST		

# 3.4 Representation Protocol command elements

Command	Required of Server		Implement	ted in Server
	Sending	Receiving	Sending	Receiving
Add	MUST	MUST		
Alert	MUST	MUST		
Atomic	MAY	MAY		
Сору	MAY	MUST		
Delete	MUST	MUST		
Exec	MAY	SHOULD		
Get*	MUST	MUST		
Map	MAY	MUST		
MapItem	MAY	MUST		
Put*	MUST	MUST		
Replace	MUST	MUST		
Result*	MUST	MUST		
Search	MAY	MAY		
Sequence	MAY	MUST		
Status	MUST	MUST		
Sync	MUST	MUST		

<sup>\*</sup>Minimum requirement for a SyncML device is to support Put, Get, and Result when exchanging device information.

### 3.5 Device Info

Element Type	Required of Server		Implemen	ted in Server
	Sending	Receiving	Sending	Receiving
CTCap	SHOULD	MUST		
CTType	MUST	MUST		
DataStore	MUST	MUST		
DataType	MAY	MUST		
DevID	MUST	MUST		
DevInf	MUST	MUST		

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DevTyp	D = == III = ==	MITCH	MICE	
DSMem         MAY         SHOULD           Ext         MAY         MAY           FwV         MAY         SHOULD           HwV         MAY         SHOULD           Man         MAY         SHOULD           MaxGUIDSize         MUST NOT         MUST           MaxID         MAY         SHOULD           MaxMem         MAY         SHOULD           Mod         MAY         MAY           OEM         MAY         MAY           ParamName         SHOULD         MUST           PropName         SHOULD         MUST           Rx         MAY         MUST           SharedMem         SHOULD         MAY           Size         MAY         MUST           SourceRef         MUST         MUST           SwV         MAY         SHOULD           SyncType         MUST         MUST           SyncType         MUST         MUST           Tx         MAY         MUST           VerCT         MUST         MUST           VerCT         MUST         MUST           Xnam         MAY         MAY				
Ext         MAY         MAY           FwV         MAY         SHOULD           HwV         MAY         SHOULD           Man         MAY         SHOULD           MaxGUIDSize         MUST NOT         MUST           MaxID         MAY         SHOULD           MaxMem         MAY         SHOULD           Mod         MAY         MAY           OEM         MAY         MAY           ParamName         SHOULD         MUST           PropName         SHOULD         MUST           Rx         MAY         MUST           Rx-Pref         MUST         MUST           SharedMem         SHOULD         MAY           Size         MAY         MUST           SourceRef         MUST         MUST           SwV         MAY         SHOULD           SyncType         MUST         MUST           Tx         MAY         MUST           Tx-Pref         MUST         MUST           ValEnum         SHOULD         MUST           VerCT         MUST         MUST           VerDTD         MUST         MUST           MAY         MUST<				
FwV         MAY         SHOULD           HwV         MAY         SHOULD           Man         MAY         SHOULD           MaxGUIDSize         MUST NOT         MUST           MaxID         MAY         SHOULD           MaxMem         MAY         SHOULD           Mod         MAY         MAY           MAY         MAY         MUST           ParamName         SHOULD         MUST           PropName         SHOULD         MUST           Rx         MAY         MUST           Rx         MAY         MUST           Rx-Pref         MUST         MUST           SharedMem         SHOULD         MAY           Should         MAY         MUST           SwV         MAY         SHOULD           SyncCap         MUST         MUST           Tx         MAY         MUST				
HwV         MAY         SHOULD           Man         MAY         SHOULD           MaxGUIDSize         MUST NOT         MUST           MaxID         MAY         SHOULD           MaxMem         MAY         SHOULD           Mod         MAY         MAY           Mod         MAY         MAY           OEM         MAY         MAY           ParamName         SHOULD         MUST           PropName         SHOULD         MUST           Rx         MAY         MUST           Rx-Pref         MUST         MUST           SharedMem         SHOULD         MAY           Size         MAY         MUST           SourceRef         MUST         MUST           SyncCap         MUST         MUST           SyncType         MUST         MUST           Tx         MAY         MUST           ValEnum         SHOULD         MUST           VerCT         MUST         MUST           VerDTD         MUST         MUST           Xnam         MAY         MAY	Ext	MAY	MAY	
Man         MAY         SHOULD           MaxGUIDSize         MUST NOT         MUST           MaxID         MAY         SHOULD           MaxMem         MAY         SHOULD           Mod         MAY         MAY           OEM         MAY         MAY           ParamName         SHOULD         MUST           PropName         SHOULD         MUST           Rx         MAY         MUST           Rx-Pref         MUST         MUST           SharedMem         SHOULD         MAY           Size         MAY         MUST           SourceRef         MUST         MUST           SwV         MAY         SHOULD           SyncCap         MUST         MUST           SyncType         MUST         MUST           Tx         MAY         MUST           ValEnum         SHOULD         MUST           VerCT         MUST         MUST           VerDTD         MUST         MUST           Xnam         MAY         MAY	FwV	MAY	SHOULD	
MaxGUIDSize         MUST NOT         MUST           MaxID         MAY         SHOULD           MaxMem         MAY         SHOULD           Mod         MAY         MAY           Mod         MAY         MAY           Mod         MAY         MAY           OEM         MAY         MAY           OEM         MAY         MAY           ParamName         SHOULD         MUST           PropName         SHOULD         MUST           Rx         MAY         MUST           Rx         MAY         MUST           SharedMem         SHOULD         MAY           SharedMem         SHOULD         MAY           SourceRef         MUST         MUST           SwV         MAY         SHOULD           SyncType         MUST         MUST           SyncType         MUST         MUST           Tx-Pref         MUST         MUST           ValEnum         SHOULD         MUST           VerCT         MUST         MUST           VerDTD         MUST         MUST           Xnam         MAY         MAY	HwV	MAY	SHOULD	
MaxID         MAY         SHOULD           MaxMem         MAY         SHOULD           Mod         MAY         MAY           OEM         MAY         MAY           ParamName         SHOULD         MUST           PropName         SHOULD         MUST           Rx         MAY         MUST           Rx-Pref         MUST         MUST           SharedMem         SHOULD         MAY           Size         MAY         MUST           SourceRef         MUST         MUST           SwV         MAY         SHOULD           SyncCap         MUST         MUST           SyncType         MUST         MUST           Tx         MAY         MUST           Tx-Pref         MUST         MUST           ValEnum         SHOULD         MUST           VerCT         MUST         MUST           VerDTD         MUST         MUST           Xnam         MAY         MAY	Man	MAY	SHOULD	
MaxMem         MAY         SHOULD           Mod         MAY         MAY           OEM         MAY         MAY           ParamName         SHOULD         MUST           PropName         SHOULD         MUST           Rx         MAY         MUST           Rx-Pref         MUST         MUST           SharedMem         SHOULD         MAY           Size         MAY         MUST           SourceRef         MUST         MUST           SwV         MAY         SHOULD           SyncCap         MUST         MUST           SyncType         MUST         MUST           Tx         MAY         MUST           Tx-Pref         MUST         MUST           ValEnum         SHOULD         MUST           VerCT         MUST         MUST           VerDTD         MUST         MUST           Xnam         MAY         MAY	MaxGUIDSize	MUST NOT	MUST	
Mod         MAY         MAY           OEM         MAY         MAY           ParamName         SHOULD         MUST           PropName         SHOULD         MUST           Rx         MAY         MUST           Rx-Pref         MUST         MUST           SharedMem         SHOULD         MAY           Size         MAY         MUST           SourceRef         MUST         MUST           SwV         MAY         SHOULD           SyncCap         MUST         MUST           SyncType         MUST         MUST           Tx         MAY         MUST           Tx-Pref         MUST         MUST           ValEnum         SHOULD         MUST           VerCT         MUST         MUST           VerDTD         MUST         MUST           Xnam         MAY         MAY	MaxID	MAY	SHOULD	
OEM MAY MAY ParamName SHOULD MUST  PropName SHOULD MUST  Rx MAY MUST  Rx-Pref MUST MUST  SharedMem SHOULD MAY  Size MAY MUST  SourceRef MUST MUST  SwV MAY SHOULD  SyncCap MUST MUST  SyncType MUST MUST  Tx MAY MUST  Tx-Pref MUST MUST  ValEnum SHOULD MUST  VerCT MUST MUST  Xnam MAY MAY  MAY  MAY  MAY  MAY  MAY  MAY	MaxMem	MAY	SHOULD	
ParamName SHOULD MUST  PropName SHOULD MUST  Rx MAY MUST  Rx-Pref MUST MUST  SharedMem SHOULD MAY  Size MAY MUST  SourceRef MUST MUST  SwV MAY SHOULD  SyncCap MUST MUST  SyncType MUST MUST  Tx MAY MUST  Tx MAY MUST  Tx-Pref MUST MUST  Tx-Pref MUST MUST  Tx-Pref MUST MUST  ValEnum SHOULD MUST  VerCT MUST MUST  Xnam MAY MAY  MAY  MAY  MAY  MAY  MAY  MAY	Mod	MAY	MAY	
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Rx         MAY         MUST           Rx-Pref         MUST         MUST           SharedMem         SHOULD         MAY           Size         MAY         MUST           SourceRef         MUST         MUST           SwV         MAY         SHOULD           SyncCap         MUST         MUST           SyncType         MUST         MUST           Tx         MAY         MUST           Tx-Pref         MUST         MUST           ValEnum         SHOULD         MUST           VerCT         MUST         MUST           VerDTD         MUST         MUST           Xnam         MAY         MAY	ParamName	SHOULD	MUST	
Rx-Pref MUST MUST SharedMem SHOULD MAY  Size MAY MUST SourceRef MUST MUST  SwV MAY SHOULD  SyncCap MUST MUST  SyncType MUST MUST  Tx MAY MUST  Tx-Pref MUST MUST  ValEnum SHOULD MUST  VerCT MUST MUST  Xnam MAY MAY  MAY  MAY  MAY  MAY  MAY  MAY	PropName	SHOULD	MUST	
SharedMem         SHOULD         MAY         Size         MAY         MUST           SourceRef         MUST         MUST         MUST           SwV         MAY         SHOULD         SHOULD           SyncCap         MUST         MUST         MUST           Tx         MAY         MUST         MUST           Tx-Pref         MUST         MUST         MUST           ValEnum         SHOULD         MUST         MUST           VerCT         MUST         MUST         MUST           VerDTD         MUST         MUST         MUST           Xnam         MAY         MAY         MAY	Rx	MAY	MUST	
Size MAY MUST SourceRef MUST MUST  SwV MAY SHOULD  SyncCap MUST MUST  SyncType MUST MUST  Tx MAY MUST  Tx-Pref MUST MUST  ValEnum SHOULD MUST  VerCT MUST MUST  VerDTD MUST MUST  Xnam MAY MAY  MAY  MAY  MAY  MAY  MAY  MAY	Rx-Pref	MUST	MUST	
SourceRef MUST MUST  SwV MAY SHOULD  SyncCap MUST MUST  SyncType MUST MUST  Tx MAY MUST  Tx-Pref MUST MUST  ValEnum SHOULD MUST  VerCT MUST MUST  VerDTD MUST MUST  Xnam MAY MAY  MAY  MAY  MAY  MAY  MAY  MAY	SharedMem	SHOULD	MAY	
SwV MAY SHOULD  SyncCap MUST MUST  SyncType MUST MUST  Tx MAY MUST  Tx-Pref MUST MUST  ValEnum SHOULD MUST  VerCT MUST MUST  VerDTD MUST MUST  Xnam MAY MAY  SHOULD MUST  MAY  MAY	Size	MAY	MUST	
SyncCap MUST MUST  SyncType MUST MUST  Tx MAY MUST  Tx-Pref MUST MUST  ValEnum SHOULD MUST  VerCT MUST MUST  VerDTD MUST MUST  Xnam MAY MAY  MAY  MAY  MAY	SourceRef	MUST	MUST	
SyncType MUST MUST  Tx MAY MUST  Tx-Pref MUST MUST  ValEnum SHOULD MUST  VerCT MUST MUST  VerDTD MUST MUST  Xnam MAY MAY	SwV	MAY	SHOULD	
Tx MAY MUST Tx-Pref MUST MUST  ValEnum SHOULD MUST  VerCT MUST MUST  VerDTD MUST MUST  Xnam MAY MAY	SyncCap	MUST	MUST	
Tx-Pref MUST MUST  ValEnum SHOULD MUST  VerCT MUST MUST  VerDTD MUST MUST  Xnam MAY MAY	SyncType	MUST	MUST	
ValEnumSHOULDMUSTVerCTMUSTMUSTVerDTDMUSTMUSTXnamMAYMAY	Tx	MAY	MUST	
VerCT         MUST         MUST           VerDTD         MUST         MUST           Xnam         MAY         MAY	Tx-Pref	MUST	MUST	
VerDTDMUSTMUSTXnamMAYMAY	ValEnum	SHOULD	MUST	
Xnam MAY MAY	VerCT	MUST	MUST	
	VerDTD	MUST	MUST	
Xval MAY MAY	Xnam	MAY	MAY	
	Xval	MAY	MAY	

#### 3.6 **Meta Info**

Element Type	Required of Server		Implement	ted in Server
	Sending	Receiving	Sending	Receiving
Anchor	MUST	MUST		
EMI	MAY	MAY		
Format	MUST	MUST		
FreeID	MAY	MUST		
FreeMem	MAY	MUST		
Last	MUST	MUST		
Mark	MAY	MAY		
MaxMsgSize	MAY	MUST		
Mem	MAY	MUST		
MetInf	MUST	MUST		



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Next	MUST	MUST	
NextNonce	MUST	MUST	
SharedMem	MAY	MUST	
Size	MAY	MAY	
Type	MUST	MUST	
Version	MUST	MUST	

#### **Protocol** 3.7

Element Type	Server Re	equirements
	Required	Implemented
Support of 'two-way sync'	MUST	
Support of 'slow two-way sync'	MUST	
Support of 'one-way sync from client only'	MAY	
Support of 'refresh sync from client only'	MAY	
Support of 'one-way sync from server only'	MAY	
Support of 'refresh sync from server only'	MAY	
Support of 'sync alert'	MAY	
Support of multiple messages per package	MUST	
Support of combined package 1 and 3	MUST	

#### **Authentication** 3.8

Authentication Type Server Requirement		quirements
	Required	Implemented
Basic (name and password)	MUST	
MD5	MUST	

#### 3.9 **MIME** header types

MIME Header Type	Server Requirements	
	Required	Implemented
"application/vnd.syncml+xml"	MUST	
"application/vnd.syncml+wbxml"	MUST	



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### 4 Client Conformance Tables

### 4.1 Representation Common Use Elements

Command	Required	d of Client	Implemen	ted in Client
	Sending	Receiving	Sending	Receiving
Archive	MAY	MAY	<u>NO</u>	<u>NO</u>
Chal	MAY	MUST	NO	YES
Cmd	MUST	MUST	YES	YES
CmdID	MUST	MUST	YES	<u>YES</u>
CmdRef	MUST	MUST	YES	YES
Cred	MUST	MUST	YES	YES
Final	MUST	MUST	YES	YES
Lang	MAY	MAY	<u>NO</u>	<u>NO</u>
LocName	MAY	MAY	NO	NO
LocURI	MUST	MUST	YES	YES
MsgID	MUST	MUST	YES	<u>YES</u>
MsgRef	MUST	MUST	YES	YES
NoResp	MAY	MUST	NO	YES
NoResults	MAY	MAY	<u>NO</u>	<u>NO</u>
RespURI	MAY	MUST	<u>NO</u>	YES
SessionID*	MUST	MUST	YES	YES
SftDel	MAY	MAY	<u>NO</u>	YES*
Source	MUST	MUST	YES	YES
SourceRef	MUST	MUST	YES	YES
Target	MUST	MUST	YES	<u>YES</u>
TargetRef	MUST	MUST	YES	YES
VerDTD	MUST	MUST	YES	YES
VerProto	MUST	MUST	YES	YES

<sup>\*</sup>The maximum length of a SessionID is 4 bytes. Note that a client having an 8 bit incrementing SessionID counter is enough for practical implementations.

# 4.2 Representation Message container elements

Command	Required of Client		Implemen	ted in Client
	Sending	Receiving	Sending	Receiving
SyncML	MUST	MUST	YES	<u>YES</u>
SyncHdr	MUST	MUST	<u>YES</u>	<u>YES</u>
SyncBody	MUST	MUST	<u>YES</u>	<u>YES</u>

# 4.3 Data description elements



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Command	Required of Client		Implemen	ted in Client
	Sending	Receiving	Sending	Receiving
Data	MUST	MUST	YES	<u>YES</u>
Item	MUST	MUST	YES	<u>YES</u>
Meta	MUST	MUST	YES	YES

# 4.4 Representation Protocol command elements

Command	Required of Client		Implemen	ted in Client
	Sending	Receiving	Sending	Receiving
Add	SHOULD	MUST	<u>NO</u>	<u>YES</u>
Alert	MUST	MUST	YES	YES
Atomic	MAY	MAY	<u>NO</u>	<u>NO</u>
Сору	MAY	MAY	<u>NO</u>	<u>NO</u>
Delete	MUST	MUST	YES	<u>YES</u>
Exec	MAY	MAY	<u>NO</u>	<u>NO</u>
Get*	SHOULD	MUST	<u>NO</u>	<u>YES</u>
Map	MUST	MAY	<u>YES</u>	<u>NO</u>
MapItem	MUST	MAY	YES	<u>NO</u>
Put*	MUST	MUST	YES	YES
Replace	MUST	MUST	YES	YES
Result*	MUST	SHOULD	YES	<u>NO</u>
Search	MAY	MAY	<u>NO</u>	<u>NO</u>
Sequence	MAY	MAY	<u>NO</u>	<u>NO</u>
Status	MUST	MUST	<u>YES</u>	<u>YES</u>
Sync	MUST	MUST	YES	YES

<sup>\*</sup>Minimum requirement for a SyncML device is to support Put, Get, and Result when exchanging device information.

### 4.5 Device Info

Element Type	Required of Client		Implemen	ted in Client
	Sending	Receiving	Sending	Receiving
CTCap	MUST	SHOULD	YES	YES
CTType	MUST	MUST	YES	<u>YES</u>
DataStore	MUST	MUST	YES	<u>YES</u>
DataType	MAY	MAY	<u>NO</u>	YES
DevId	MUST	MUST	YES	YES
DevInf	MUST	MUST	YES	YES
DevTyp	MUST	MUST	YES	<u>YES</u>
DisplayName	MAY	MAY	NO	YES
DSMem	SHOULD	MAY	YES	YES



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Ext	MAY	MAY	NO	YES
FwV	SHOULD	MAY	YES	YES
HwV	SHOULD	MAY	YES	YES
Man	SHOULD	MAY	YES	YES
MaxGUIDSize	MUST	MUST NOT	YES	NO
MaxID	SHOULD	MAY	YES	YES
MaxMem	SHOULD	MAY	YES	YES
Mod	MAY	MAY	YES	YES
OEM	MAY	MAY	YES	YES
ParamName	SHOULD	SHOULD	<u>YES</u> NO	<del>YES</del> NO
PropName	MUST	SHOULD	YES	<u>YES</u>
Rx	MAY	MUST	<u>NO</u>	<u>YES</u>
Rx-Pref	MUST	MUST	YES	YES
SharedMem	SHOULD	MAY	YES	YES
Size	MAY	MAY	<u>NO</u>	<u>YES</u>
SourceRef	MUST	MUST	YES	YES
SwV	SHOULD	MAY	YES	YES
SyncCap	MUST	MUST	<u>YES</u>	YES
SyncType	MUST	MUST	<u>YES</u>	<u>YES</u>
Tx	MAY	MUST	<u>NO</u>	YES
Tx-Pref	MUST	MUST	<u>YES</u>	<u>YES</u>
ValEnum	MUST	SHOULD	YES	YES
VerCT	MUST	MUST	YES	YES
VerDTD	MUST	MUST	YES	YES
Xnam	MAY	MAY	<u>NO</u>	<u>YES</u>
Xval	MAY	MAY	<u>NO</u>	YES

#### 4.6 **Meta Info**

Element Type	Required of Client		Implemen	ted in Client
	Sending	Receiving	Sending	Receiving
Anchor	MUST	MUST	YES	YES
EMI	MAY	MAY	<u>NO</u>	<u>NO</u>
Format	MUST	MUST	<u>YES</u>	<u>YES</u>
FreeID	SHOULD	MAY	YES	<u>YES</u>
FreeMem	SHOULD	MAY	YES	YES
Last	MUST	MUST	YES	<u>YES</u>
Mark	MAY	MAY	<u>NO</u>	<u>NO</u>
MaxMsgSize	MAY	MUST	YES	<u>YES</u>
Mem	SHOULD	MAY	<u>NO</u>	<u>NO</u>
MetInf	MUST	MUST	<u>YES</u>	<u>YES</u>
Next	MUST	MUST	YES	YES
NextNonce	MAY	MUST	<u>NO</u>	<u>YES</u>
SharedMem	SHOULD	MAY	<u>NO</u>	<u>NO</u>



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Size	MAY	MAY	<u>NO</u>	<u>NO</u>
Type	MUST	MUST	YES	<u>YES</u>
Version	MAY	MAY	NO	<u>NO</u>

#### 4.7 **Protocol**

Element Type	Client Requirements	
	Required	Implemented
Support of 'two-way sync'	MUST	<u>YES</u>
Support of 'slow two-way sync'	MUST	YES
Support of 'one-way sync from client only'	MAY	<u>NO</u>
Support of 'refresh sync from client only'	MAY	<u>NO</u>
Support of 'one-way sync from server only'	MAY	<u>NO</u>
Support of 'refresh sync from server only'	MAY	<u>YES</u>
Support of 'sync alert'	MAY	<u>NO</u>
Support of multiple messages per package	MUST	<u>YES</u>
Support of combined package 1 and 3	MAY	<u>NO</u>

#### 4.8 **Authentication**

Note that authentication is only required for SyncHdr, optional for datastore.

Authentication Type	Client Requirements	
	Required	Implemented
Basic (name and password)	MUST	<u>YES</u>
MD5	MUST	<u>YES</u>

#### **MIME** header types 4.9

NOTE: the client MUST support one of the two MIME header types.

MIME Header Type	Client Requirements	
	Required	Implemented
"application/vnd.syncml+xml"	MUST if no wbxml	<u>NO</u>
"application/vnd.syncml+wbxml"	MUST if no xml	<u>YES</u>

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# 5 Transport Conformance

# 5.1 HTTP Transport

Vendors should fill this section out ONLY if their product uses the HTTP Transport. The specification for HTTP Transport is fully described in 0000.

NOTE that the tables only indicate the required data.

Method	Requirements	
	Required	Implemented
POST	MUST	

General Headers	Requirements	
	Required	Implemented
Cache-Control: no-store, private	MUST	
Transfer-Encoding: chunked	MUST	

Request Headers	Requirements	
	Required	Implemented
Accept	MUST	
Accept-Charset	MUST	
Authorization	MUST	
Proxy-Authorization	MUST if a proxy client	
User-Agent	MUST	

Response Headers	Requirements	
	Required	Implemented
Authentication-Info	MUST	
Proxy-Authenticate	MUST if proxy client	
WWW-Authenticate	MUST	

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### **5.2 OBEX Transport**

Vendors should fill this section out ONLY if their product uses the OBEX Transport. The specification for OBEX Transport is fully described in <u>00000</u>. Note that these definitions of client and server are the OBEX definition, not the SyncML definition.

NOTE that the tables only indicate the required data.

Method	OBEX Server Requirements	
	Required	Implemented
GET	MUST	
PUT	MUST	
CONNECT	MUST	
DISCONNECT	MUST	
ABORT	MUST	

Method	OBEX Client Requirements	
	Required	Implemented
GET	MUST	
PUT	MUST	
CONNECT	MUST	
DISCONNECT	MUST	

# 5.3 WSP Transport

Vendors should fill this section out ONLY if their product uses the WSP Transport. The specification for WSP Transport is fully described in 0000.

NOTE that the tables only indicate the required data.

Method	Requirements	
	Required	Implemented
POST	MUST	<u>YES</u>

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### 6 References

- [1] SyncML Representation Protocol Specification
- [2] SyncML Sync Protocol
- [3] Meta Information Specification and DTD
- [4] Device Information Specification and DTD
- [5] SyncML HTTP Binding
- [6] SyncML OBEX Binding
- [7] SyncML WSP Binding