

Table: P-Mode parameters (e-SENS AS4 profile)

P-Mode Parameters	Support required?	“MUST” Value	“ALLOWED” Value
General P-Mode parameters			
<b>PMode.ID</b>	Y		(no special constraint for the Value)
<b>PMode.Agreement</b>	Y		
<b>PMode.MEP</b>	Y	(Must be a URI)	<ul style="list-style-type: none"> <li>• <a href="http://www.oasis-open.org/committees/ebxml-msg/one-way">http://www.oasis-open.org/committees/ebxml-msg/one-way</a></li> <li>• <a href="http://www.oasis-open.org/committees/ebxml-msg/two-way">http://www.oasis-open.org/committees/ebxml-msg/two-way</a></li> </ul>
<b>PMode.MEPbinding:</b>	Y	<ul style="list-style-type: none"> <li>• <a href="http://www.oasis-open.org/committees/ebxml-msg/push">http://www.oasis-open.org/committees/ebxml-msg/push</a></li> </ul>	
<b>PMode.Initiator.Party</b>	Y		(no special constraint for the Value)
<b>PMode.Initiator.Role</b>	Y		(no special constraint for the Value)
<b>PMode.Initiator.Authorization.username</b> <b>PMode.Initiator.Authorization.password</b>	N		
<b>PMode.Responder.Party</b>	Y		(no special constraint for the Value)
<b>PMode.Responder.Role</b>	Y		(no special constraint for the Value)

<b>PMode.Responder.Authorization.username P-Mode.Responder.Authorization.password:</b>	N		
PMode[1].Protocol			
<b>PMode[1].Protocol.Addresses</b>	• Y	(Must be URL: http 1.1 protocol)	
<b>PMode[1].Protocol.SOAPVersion</b>	• Y	• 1.2	
PMode[1].BusinessInfo			
<b>PMode[1].BusinessInfo.Service</b>	Y	• <a href="http://docs.oasis-open.org/ebxml-msg/ebms/v3.0/ns/core/200704/service">http://docs.oasis-open.org/ebxml-msg/ebms/v3.0/ns/core/200704/service</a> (if for test service)	
<b>PMode[1].BusinessInfo.Action</b>	Y	• <a href="http://docs.oasis-open.org/ebxml-msg/ebms/v3.0/ns/core/200704/test">http://docs.oasis-open.org/ebxml-msg/ebms/v3.0/ns/core/200704/test</a> (if for test service)	
<b>PMode[1].BusinessInfo.MPC</b>	Y		(no special constraint for the Value)
<b>PMode[1].BusinessInfo.Properties[]</b>	Y		(A list of properties)
<b>PMode[1].BusinessInfo.Pa</b>	Y		

<b>yloadProfile[]</b>			
<b>PMode[1].BusinessInfo.Pa yloadProfile.maxSize</b>	N		
PMode[1].ErrorHandling			
<b>PMode[1].ErrorHandling.Re port.SenderErrorsTo</b>	N	(Must not be set)	
<b>PMode[1].ErrorHandling.Re port.AsResponse</b>	Y	• True	
<b>PMode[1].ErrorHandling.Re port.ProcessErrorNotifyCo nsumer</b>	Y		• True(preferred)
<b>PMode[1].ErrorHandling.Re port.ProcessErrorNotifyPro ducer</b>	Y		• True • False
<b>PMode[1].ErrorHandling.Re port.DeliveryFailuresNotify Producer</b>	Y		• True • False
<b>PMode[1].ErrorHandling.Re port.MissingReceiptNotifyP roducer</b>	Y	• True	
PMode[1].Reliability			
<b>PMode[1].ReceptionAware</b>	Y	• True	

<b>ness</b>			
<b>PMode[1].ReceptionAwareness.Retry</b>	Y	• True	
<b>PMode[1].ReceptionAwareness.DuplicateDetection</b>	Y	• True	
PMode[1].Security			
<b>PMode[1].Security.WSSVersion</b>	Y	• 1.1	
<b>PMode[1].Security.X509.Sign</b>	Y		(A list of the names of XML elements that should be signed)
<b>PMode[1].Security.X509.Signature.Certificate</b>	Y	(Value must match the certificate of the sender)	
<b>PMode[1].Security.X509.Signature.HashFunction</b>	Y	• <a href="http://www.w3.org/2001/04/xmlenc#sha256">http://www.w3.org/2001/04/xmlenc#sha256</a>	
<b>PMode[1].Security.X509.Signature.Algorithm</b>	Y	• <a href="http://www.w3.org/2001/04/xmldsig-more#rsa-sha256">http://www.w3.org/2001/04/xmldsig-more#rsa-sha256</a>	
<b>PMode[1].Security.X509.Encryption.Encrypt</b>	Y		(A list of the names of XML elements that should be encrypted)
<b>PMode[1].Security.X509.Encryption.Certificate</b>	Y	(Value must match the certificate of the receiver)	
<b>PMode[1].Security.X509.Encryption.Algorithm</b>	Y	• <a href="http://www.w3.org/2009/xmlenc11#aes1">http://www.w3.org/2009/xmlenc11#aes1</a>	

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<b>PMode[1].Security.SendReceipt</b>	Y	• True	
<b>PMode[1].Security.SendReceipt.NonRepudiation</b>	Y	• True	
<b>PMode[1].Security.SendReceipt.ReplyPattern</b>	Y	• Response	
<b>PMode[1].Security.X509.Encryption.MinimumStrength</b>	N		
<b>PMode[1].Security.UserNameToken.username.</b>	N		
<b>PMode[1].Security.UserNameToken.password</b>	N		
<b>PMode[1].Security.UserNameToken.Digest</b>	N		
<b>PMode[1].Security.UserNameToken.Nonce</b>	N		
<b>PMode[1].Security.UserNameToken.Created</b>	N		
<b>PMode[1].Security.P-ModeAuthorize</b>	N		