Document Attributes

| Attribute | Value |
| --- | --- |
| Application ID /  Application Name | • OPUS- MOTS ID: 18257  • OPUS Mobile- MOTS ID: 18257 |
| Owner | Arun Kumar Madas |
| Owner Contact Information | am6489 (O:972-479-8486) |
| Other Attribute | Arun Saju (as9922)  Pradeep Kodakandla (pk4159) |

## 

Revision History

The following table lists the revision history of this document:

| Author | Date | Version # | Revision Description |
| --- | --- | --- | --- |
| am6489 | 12/31/2014 | 0.1 | Initial draft. |
| As9922 | 01/03/2014 | 0.2 | Added design changes for Network Sigcap framework. |
| am6489 | 1/7/2015 | 0.3 | Updated nk4737 feedback about template compliance changes. File name changed to include AD. |
| am6489 | 1/7/2015 | 0.4 | Updated small changes during AD walk through. |

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# Introduction

The Design Package describes the components of the solution that will be created or modified and how they will be created or modified in order to meet the requirements.

## Component List

This section lists each component that will be created, modified, or removed.

|  |  |  |
| --- | --- | --- |
| opus\_1502\database\crtDbApp\dml\1502\_279095\_Enterprise\_Configurable.sql | Create | 279095\_OM\_AD\_04  279095\_OPUS\_AD\_13 |
| opus\_1502\database\crtDbApp\dml\1502\_279095\_Project\_Store\_Configurable.sql | Create | 279095\_OM\_AD\_01  279095\_OPUS\_AD\_08 |
| common/src/main/POS2/Core/Administration/StoreProfile.java | Modify | 279095\_OM\_AD\_01  279095\_OPUS\_AD\_08 |
| frontend/src/main/net/cingular/opus/customerservice/AcceptContractAction.java | Modify | 279095\_OM\_AD\_04  279095\_OM\_AD\_06 |
| frontend/src/main/net/cingular/opus/customerservice/AcceptContractForm.java | Modify | 279095\_OM\_AD\_06 |
| frontend/WAR/newlnf/mobile/activation/OMAcceptContractSignature.jsp | Modify | 279095\_OM\_AD\_02  279095\_OM\_AD\_03  279095\_OM\_AD\_05  279095\_OM\_AD\_06  279095\_OM\_AD\_07 |
| frontend/src/main/poslite/peripherals/NwActivationSessionData.java | Modify | 279095\_OPUS\_AD\_09  279095\_OPUS\_AD\_15 |
| frontend/WAR/newlnf/customerService/AcceptContractSignature.jsp | Modify | 279095\_OPUS\_AD\_09  279095\_OPUS\_AD\_10  279095\_OPUS\_AD\_11  279095\_OPUS\_AD\_12  279095\_OPUS\_AD\_14 |
| frontend/src/main/poslite/applet/IngenicoSigCap.java | Modify | 279095\_OPUS\_AD\_08  279095\_OPUS\_AD\_09  279095\_OPUS\_AD\_10  279095\_OPUS\_AD\_12 |
| frontend/src/main/poslite/applet/PeripheralApplet.java | Modify | 279095\_OPUS\_AD\_08 |
| frontend/src/main/poslite/applet/PeripheralController.java | Modify | 279095\_OPUS\_AD\_08 |
| frontend/src/main/poslite/servlet/ContractServlet.java | Modify | 279095\_OPUS\_AD\_08 |

## Detail Design

This section describes the changes for each listed component sufficiently to meet the needs of the people identified to develop, test, deploy, and support the solution.

|  |  |  |
| --- | --- | --- |
| **Req. ID** | **Design Element** | **Trace-To** |
| 279095\_OM\_AD\_01 | Store Flag : OM\_279095\_WCASIGCAP\_LEGAL\_MANDATE  Default Value : N  Changing to “Y” will turn on the OPUS Mobile project level changes for this project | 279095\_OM\_HLD\_01 |
| 279095\_OM\_AD\_02 | Changing the Title of the Customer signature overlay from “Customer Signature” to “Wireless Customer Agreement Acceptance”.  Below code invokes the native app code that displays the overlay for capturing signature on opus mobile.  <opusm:peripheralutility  peripheralActivity=*"displayTCSignature"*  servletName=*"servlet/OPUSMOBILE"*  servletChoiceName=*"choice"*  servletChoiceValue=*"getSigBytes"*  callBackJS=*"handleSigCapture"* languagePreferences=*"*${acceptContractForm.buttonsLanguage}*"* />  Depending on the project flag, introduced via 279095\_OM\_AD\_01, we will pass variable overlay title from the jsp page to be displayed.  <c:choose>  <c:when test=*"*${isOMWCALegalMandateEnabled **eq true**}*"*>  <div id=*"opusmobilesignatureoverlaytitle"* style="display: *none*'">Wireless Customer Agreement Acceptance</div>  </c:when>  <c:otherwise>  <div id=*"opusmobilesignatureoverlaytitle"* style="display: *none*'">Customer Signature</div>  </c:otherwise>  </c:choose> | 279095\_OM\_HLD\_02 |
| 279095\_OM\_AD\_03 | SKIP Button will be hidden for all channels on opus mobile.  Below code invokes the native app code that displays the overlay for capturing signature on opus mobile.  <opusm:peripheralutility  peripheralActivity=*"displayTCSignature"*  servletName=*"servlet/OPUSMOBILE"*  servletChoiceName=*"choice"*  servletChoiceValue=*"getSigBytes"*  callBackJS=*"handleSigCapture"* languagePreferences=*"*${acceptContractForm.buttonsLanguage}*"* />  Depending on the project flag, introduced via 279095\_OM\_AD\_01, we will pass variable overlay title from the jsp page to be displayed.  <c:choose>  <c:when test=*"*${acceptContractForm.digitalLifeFlow **eq true**}*"*>  <div id=*"opusmobilesignatureskipbutton"* style="display: *none*;">true</div>  </c:when>  <c:otherwise>  <c:if test=*"*${isOMWCALegalMandateEnabled **eq true**}*"*>  <div id=*"opusmobilesignatureskipbutton"* style="display: *none*;">false</div>  </c:if>  </c:otherwise>  </c:choose> | 279095\_OM\_HLD\_03 |
| 279095\_OM\_AD\_04 | New wordings shown in yellow to be added in the paragraph in signature panel.  I understand that this Wireless Customer Agreement ***and Customer*** ***Service Summary*** apply to the following wireless numbers:  (xxx) xxx-xxxx  A new enterprise config variable is created to include the new wording. The new enterprise config value will be used when project flag is turned on as described in 279095\_OM\_AD\_01.  Existing SQL = select \* from enterprise\_config where vp\_key\_name = 'WCA\_TC\_VERBIAGE\_ENG’  A new enterprise config variable will be created to include the new wording – “WCA\_TC\_VERBIAGE\_ENG\_LEGAL\_MANDATE” / “WCA\_TC\_VERBIAGE\_SPN\_LEGAL\_MANDATE”.  opus\_1502\database\crtDbApp\dml\1502\_279095\_Enterprise\_Configurable.sql was created to accommodate the new change.  Changes in AcceptContractAction.java | 279095\_OM\_HLD\_04 |
| 279095\_OM\_AD\_05 | A new “Wireless Customer Agreement:” label in bold shall be added to the Wireless Customer Agreement Acceptance page following the legal terms.  A new “View” button shall be added to the Wireless Customer Agreement Acceptance page to the right of the just added” Wireless Customer Agreement:” label.  A new “Print” button shall be added to the Wireless Customer Agreement Acceptance page to the right of the just added” View” button.  The above elements will be added part of the native overlay dialog. From opus application, we will identify the div element wrapped with a Boolean flag to show or hide this div containing the three elements (label, view, print button).  <opusm:peripheralutility  peripheralActivity=*"displayTCSignature"*  servletName=*"servlet/OPUSMOBILE"*  servletChoiceName=*"choice"*  servletChoiceValue=*"getSigBytes"*  callBackJS=*"handleSigCapture"*  languagePreferences=*"*${acceptContractForm.buttonsLanguage}*"* />  <c:choose>  <c:when test=*"*${acceptContractForm.digitalLifeFlow **eq true**}*"*>  <div id=*"opusmobilesignatureskipbutton"* style="display: *none*;">true</div>  </c:when>  <c:otherwise>  <c:if test=*"*${isOMWCALegalMandateEnabled **eq true**}*"*>  <div id=*"opusmobilesignatureskipbutton"* style="display: *none*;">false</div>  </c:if>  </c:otherwise>  </c:choose>  <c:choose>  <c:when test=*"*${isOMWCALegalMandateEnabled **eq true**}*"*>  <div id=*"opusmobilesignatureoverlaytitle"* style="display: *none*'">Wireless Customer Agreement Acceptance</div>  <div id=*"opusmobilesignatureoverlayviewprintdiv"* style="display: *none*'">true</div>  </c:when>  <c:otherwise>  <div id=*"opusmobilesignatureoverlaytitle"* style="display: *none*'">Customer Signature</div>  <div id=*"opusmobilesignatureoverlayviewprintdiv"* style="display: *none*'">false</div>  </c:otherwise>  </c:choose>  The function of this new View button on the Acceptance page is to return the user to the WCA document. The function of this new “Print” button is to send the WCA document to the printer and generate the display of a Sent to Printer confirmation alert that shall read: “The Wireless Customer Agreement has been sent to printer: ‘*Printer Name Here’*”. The WCA document will not be opened in this case, instead a silent print request will be sent to the printer.  Below highlighted code has been added to accomplish the change.  function handleSigCapture(btnClicked)  {  startPleaseWait();  if (btnClicked.indexOf('Accept') != -1 ||btnClicked.indexOf('Aceptar') != -1 )  {  document.acceptContractForm.omSigCapDone.value = 'DONE';  acceptSig();  }  else if (btnClicked.indexOf('Decline') != -1 || btnClicked.indexOf('Rechazar') != -1)  {  document.acceptContractForm.omSigCapDone.value = 'DONE';  declineSig('false');  }  else if (btnClicked.indexOf('Skip') != -1 || btnClicked.indexOf('Omitir') != -1)  {  document.acceptContractForm.omSigCapDone.value = 'DONE';  buttonSkip();  }  //TBD: change the spanish equivalent to correct wording, waiting on Jennifer  else  if (btnClicked.indexOf('View') != -1 || btnClicked.indexOf('Omitir') != -1)  {  //alert('view button clicked');  document.acceptContractForm.omWcaDone.value = '';  document.acceptContractForm.omHidePreviousBtn.value = 'Y';  jQuery('#btnNxt').click();  }  //TBD: change the spanish equivalent to correct wording, waiting on Jennifer  else if (btnClicked.indexOf('Print') != -1 || btnClicked.indexOf('Omitir') != -1)  {  //alert('print invoked');  printWCA();  showOverlay('#printSuccess','10%','25%','40%');  }  }  //BAU CODE  function printWCA()  {  var url1 = '${pageContext.request.contextPath}/createpdf?action=printwirelesscustomeragreement';  if(document.acceptContractForm.digitalLifeFlow.value=='true'){  url1 = '${pageContext.request.contextPath}/createpdf?action=printdlcustomeragreement';  }  var type = "GET";  jQuery.ajax({  url:url1,  type:type,  dataType: "html",  complete: function(res, status){  }  });  } | 279095\_OM\_HLD\_05  279095\_OM\_HLD\_06  279095\_OM\_HLD\_08 |
| 279095\_OM\_AD\_06 | The “Previous” button currently located on the WCA document will be hidden from view when the user returns to the WCA document from the Acceptance page via the new View button.  The existing options “Print” and “Go to Acceptance” will remain visible and BAU on the WCA document.  When clicking “View” on the javascript callback for native overlay, set a new property value to hide previous button.  <c:set var=*"btnList"* value=*"Previous&#124;Go To Acceptance"* />  <c:if test=*"*${isOMWCALegalMandateEnabled **eq true** && acceptContractForm.omHidePreviousBtn **eq** 'Y'}*"*>  <c:set var=*"btnList"* value=*"Go To Acceptance"* />  </c:if>  <opusm:peripheralutility  peripheralActivity=*"displayPdf"*  servletName=*"createpdf"*  servletChoiceName=*"action"*  servletChoiceValue=*"wirelesscustomeragreement"*  pdfPrint = *"true"*  pdfButtonList = *"*${btnList}*"*  callBackJS=*"handleWCA"*/> | 279095\_OM\_HLD\_07 |
| 279095\_OM\_AD\_07 | The function of this new “Print” button is to send the WCA document to the printer and generate the display of a Sent to Printer confirmation alert that shall read: “The Wireless Customer Agreement has been sent to printer: ‘*Printer Name Here’*”. The WCA document will not be opened in this case, instead a silent print request will be sent to the printer.  Sent to printer alert message will contain the OK button, clicking on which will close the alert overlay.  <div id=*"printSuccess"* style="display: *none*;">  <div id=*"alertBox"*>  <div id=*"successPrintMsgDiv"* class=*"alertboxContent"*>The Wireless Customer Agreement has been sent to printer.</div>  <div class=*"spacer1"*>&nbsp;</div>  <input type=*"button"* value=*" Ok "* onclick="jQuery.unblockUI();" class=*"alertButtongrey"*>  <div class=*"spacer1"*>&nbsp;</div>  </div>  </div> | 279095\_OM\_HLD\_08  279095\_OM\_HLD\_09 |
| 279095\_OPUS\_AD\_08 | Store Flag : OPUS\_279095\_WCASIGCAP\_LEGAL\_MANDATE  Default Value : N  Changing to “Y” will turn on the OPUS project level changes for both devices USB ISC250 & NW ISC250. | 279095\_OPUS\_HLD\_10 |
| 279095\_OPUS\_AD\_08.1 | Network ISC250 Framework Change for new API  New API Name: WCA\_LGM\_SIGN  The New API will be added for the WCA changes related to the Legal Mandate requirements.  Changes Required to integrate new api into the framework.  NwRequestDataType.java – updated to add WCA\_LGM\_SIGN API  NwSigCapDeviceAction. Initialentry() – updated to add the new data operation for the API  **if** ("WCA\_LGM\_SIGN".equalsIgnoreCase(command)){  dataOperation = NwRequestDataType.WCA\_LGM\_SIGN;  }  NwSigCapDeviceAction. getDynamicTextForDisplay() – updated to get the latest WCA mandate agreement.  **case** WCA\_LGM\_SIGN:  asessionData.getAgreement(request,MAXLINEWIDTH,data,agreementData,dataType);  **break**;  NwPeripheralUtility. getDeviceDataForOPUS() – updated to add  **case** WCA\_LGM\_SIGN:  sigcap.getInputFromSigCap(dataType,deviceData,dynamicData,agreementData); **if**("A".equalsIgnoreCase(deviceData.getAcceptWCA())){ setCompressedDeviceSignature(request, deviceData);  } | 279095\_OPUS\_HLD\_10 |
| 279095\_OPUS\_AD\_09 | Form Updates for Network and USB Devices.  On the Wireless Customer Agreement displayed on the sigcap, replace the “<” button to “< Prev Page” and “>” button to “> Next Page”  This change is only on the sigcap device form change, no change in the functionality. Spanish equivalent changes will be made accordingly.  In case of Network ISC 250 Sigcap device : When project level flag is turned ON, then application will use a new API\_KEY i.e, WCA\_LMN\_SIGN instead of WCA\_SIGN to invoke the new functionality (that would load the new form).  Incase of USB ISC250 Sigcap device : When project level flag is turned ON (applet will check with contract servlet regarding store flag value) the store value is cascaded into IngenicoSigcap.java which handles the opening of the form appropriately opens the new forms. | 279095\_OPUS\_HLD\_11 |
| 279095\_OPUS\_AD\_10 | The existing Print button will be replaced with a new “**Print WCA**” button only in the acceptance/signature form. Other forms will contain Print wording only.  Loading of the forms on the device is controlled by project flag on both device types, and works same as described in 279095\_OPUS\_AD\_09 element.  Clicking Print/ Print WCA button on the WCA form will display a new form with disabled background and overlay that will have an “OK” button and a message that reads  “Your print request has been received. Click OK to notify your sales consultant and proceed.”  On the NW ISC250, this change is only on the device framework side, no application side change is needed apart from invoking the new api key as needed when project flag is turned on.  On the USB ISC250 side, new form will be created depicting the overlay message. Based on the project flag, the print button will be given a new button id and code will be changed to bring up intermediate overlay before sending print to the printer. This code will be driven only when the new project flag 279095\_OPUS\_AD\_08 is turned ON. And will only impact the new form being loaded on the sigcap. Clicking OK on the overlay will open the window for WCA and send print to the printer and then reload the entire WCA on the device starting page1 all over again and there is no change in the behavior between the device types here (USB/NW). | 279095\_OPUS\_HLD\_12 |
| 279095\_OPUS\_AD\_10.1 | Network ISC250 changes for Print functionality on WCA Agreement Screen  EnglishLanguageUtil.java – Add new print form for English  INGENICO\_PRINT\_PG1+="EPRINT1.K3Z";  SpanishLanguageUtil.java – Add new print form for Spanish  INGENICO\_PRINT\_PG1+="SPRINT1.K3Z";  NwISC250SigcapManager. displayWCALegalAgreement() – update the print functionality as follows  sendMessage(INGENICO\_RESET\_LINEDISPLAY+ETX);  sendMessage(prntForm1+ETX); responseStr = readResponse();  **break**;  NwISC250SIgCapManager.java – add new method  displayWCALegalAgreement()  takes arguments –   1. nwDeviceData – Stores the data from the device interaction 2. List<String> - The agreement verbiage.   The displayWCALegalAgreement performs the following   1. Reorder agreement data to fit the character and line limit of the form. Current parameters (can be changed during development)    1. Character count for 1 line : 50    2. Line count for single page: 9   Code to add padding for the agreement  **if**((dynaContent)%9!=0)  addItems = 9-(dynaContent)%9; **for**(**int** i=0;i<addItems;i++){  list.add(" ");  }   1. Track the user’s interaction with the device and show appropriate forms with the appropriate agreement data for the page selected.   Code for selecting the form to display  **if**(dynaContent<=9){  form = agmtForm4;  } **else** {    **if**(linecount>=9 && linecount<dynaContent-9){  form= agmtForm2;  } **else** **if** (linecount<=9){  form= agmtForm1;  } **else** {  form= agmtForm3;  }  }  Code to send the commands to clear the device display and show agreement data  sendMessage(INGENICO\_RESET\_LINEDISPLAY+ETX);  **for** (**int** i=1;i<=9;i++){  linecount=linecount+1; sendMessage(INGENICO\_SETVARIABLE+list.get(linecount)+ETX);  }  Code to identify the user interaction with the form  sendMessage(form+FS+"T2, "+list.get(0)+ETX);  responseStr = readResponse();  responseStr = responseStr.substring(responseStr.indexOf(STX)+1, responseStr.indexOf(ETX));  **int** index = responseStr.indexOf("24.0");   1. Returns the following status to the calling method    1. P – if the user chose to print the agreement    2. G – If the user chose to go to acceptance | 279095\_OPUS\_HLD\_12 |
| 279095\_OPUS\_AD\_11 | Auto-Engage device after Print is invoked.  This element is only applicable to Network ISC250:  Here are the sequence of Events for Print:   1. Customer invokes Print on the device (BAU) 2. When Project flag is turned on, (279095\_OPUS\_AD\_09), Step 1 will bring up a new overlay that will display a message as described in 279095\_OPUS\_AD\_10. (NEW) 3. Customer will click “OK” on the device (NEW) 4. Opus Terminal will receive a message that would indicate that Print has been requested (BAU), rep would click OK to continue (BAU) 5. Window opens and sends WCA to the printer (BAU) 6. At step 5, we will automatically try to engage the device by invoking useStation() again which will trigger automatic simulation of “Use Station” button click.   Changes in acceptContractSignature.jsp include :  **else**  **if**(customerSession.getNwDeviceData().getAcceptWCA().equals("P"))  {  %>  popupWCAFromSigCap();  //am6489 : 1502, 279095 auto reengaging of the device, WCA Legal mandate.  <c:**if** test="${isOpusWCALegalMandateEnabled}">  processStation();  </c:**if**>  <%  customerSession.getNwDeviceData().setAcceptWCA("U");  }  } | 279095\_OPUS\_HLD\_13  279095\_OPUS\_HLD\_14 |
| 279095\_OPUS\_AD\_12 | A new “**View WCA**” button and a new “**Print WCA**” button will be added to the SigCap bottom left of the Acceptance page / signature page. The existing buttons “Accept”/”Clear”/”Decline” will be moved to the bottom right as shown in the wireframe.  This will be on the new device form loaded on the sigcap based on the project flag. The functionality of “Print WCA” button will be as described in 279095\_OPUS\_AD\_10. The functionality of “View WCA” will be to load the sigcap device with form1 without loosing network connectivity in case of Network ISC250. Incase of USB ISC250, view wca, will reload the form1. | 279095\_OPUS\_HLD\_15  279095\_OPUS\_HLD\_16  279095\_OPUS\_HLD\_17 |
| 279095\_OPUS\_AD\_13 | A new enterprise config variable is created to include the new wording. The new enterprise config value will be used when project flag is turned on (279095\_OPUS\_AD\_08).  Existing SQL = select \* from enterprise\_config where vp\_key\_name = 'WCA\_TC\_VERBIAGE\_ENG’  A new enterprise config variable will be created to include the new wording – “WCA\_TC\_VERBIAGE\_ENG\_LEGAL\_MANDATE” / “WCA\_TC\_VERBIAGE\_SPN\_LEGAL\_MANDATE”.  opus\_1502\database\crtDbApp\dml\1502\_279095\_Enterprise\_Configurable.sql was created to accommodate the new change.  Changes in AcceptContractAction.java | 279095\_OPUS\_HLD\_18 |
| 279095\_OPUS\_AD\_14 | SKIP button shall be hidden for OPUS COR stores and BAU for Non-COR stores.  When Project flag OPUS\_279095\_WCASIGCAP\_LEGAL\_MANDATE is turned on, and if Network ISC250 store flag ENABLE\_NW\_SIGCAP\_ISC250\_OPUS is turned on (SKIP button will be hidden), otherwise Skip button will be visible.  <div id = *"skipbutton"*>  <c:choose>  <c:when test=*"*${isOpusWCALegalMandateEnabled **eq true** && isISC250NWSigcapON **eq true**}*"*>  <opus:newbutton style = *"margin-right:20px;border:none"* styleId=*"btnSkip"* style=*"display:none"* label=*"Skip"* onclick=*"skip()"*/>  </c:when>  <c:otherwise>  <opus:newbutton style = *"margin-right:20px;border:none"* styleId=*"btnSkip"* label=*"Skip"* onclick=*"skip()"*/>  </c:otherwise>  </c:choose>  </div> | 279095\_OPUS\_HLD\_19 |
| 279095\_OPUS\_AD\_15 | The header label on the signature page of the SigCap Wireless Customer Agreement shall be modified to read “**Wireless Customer Agreement** **(WCA)**”.  Equivalent Spanish change will also be made in the wordings. This change is present in NwActivationSessionData.java@getAgreementTypeHeading() for network sigcap.  **else**  {  **if**(titanban.equals(""))  {  **if**(isOpusWCALegalMandateEnabled)  {  agreementType = " WIRELESS CUSTOMER AGREEMENT ";  }  **else**  {  agreementType = " WIRELESS CUSTOMER AGREEMENT (WCA) ";  }  }  **else**  {  agreementType = " BUNDLE AGREEMENT ";  }  }  USB ISC250 change is present in IngenicoSigcap.java @displayWCATerms()    **else**  {  **if**(digitalLifeFlow)  {  agreementType = " DIGITAL LIFE AGREEMENT ";  }  **else** **if**(titanban.equals("") && isOpusWCALegalMandateEnabled)  {  agreementType = " WIRELESS CUSTOMER AGREEMENT (WCA) ";  }  **else** **if**(titanban.equals("") && !isOpusWCALegalMandateEnabled)  {  agreementType = " WIRELESS CUSTOMER AGREEMENT ";  }  **else**  {  agreementType = " BUNDLE AGREEMENT ";  }  } | 279095\_OPUS\_HLD\_20 |
| 279095\_OPUS\_AD\_16 | Network ISC250 changes for Print and View functionalities on Signature Screen  NwISC250SigcapManager.java – update getInputFromSigcap() to add  case WCA\_LGM\_SIGN:  **switch**(result){  **case** 0: displayWCALegalAgreement(nwDeviceData,dynamicDisplay);  **case** 1: getWCALegalSignature();  NwISC250SigcapManager.java – add new method getWCALegalSignature ()  takes arguments –   1. nwDeviceData – Stores the data from the device interaction 2. List<String> - The final agreement verbiage.   The getWCALegalSignature() performs the following performs the following   1. Clears the display and pushes the signature form on to the device   sendMessage(INGENICO\_RESET\_LINEDISPLAY+ETX);  **for** (**int** i=0;i<maxLimit-1;i++){  sendMessage(INGENICO\_SETVARIABLE+dynamicDisplay.get(i)+ETX); }  sendMessage(formString+ETX);   1. Monitors the response from the device and perform the following    1. 20.0 – Signature is ready.       1. Read blocks of signature.   String fmsg4 = "29.2000070" +b + ETX;  **byte** lrc4 = calculateLRC(fmsg4);  String outmsg4 = STX +fmsg4+ (**char**)lrc4;  sendmsg(os, outmsg4);  rec1= **new** **byte** [4];  is.read(rec1);  res2= **new** **byte** [214];  is.read(res2) ;  **for**(**int** i = 0 ; i < res2.length -2 ; i++){  **if**(i > 0 && res2[i] == 0) **break**;  **if**(i>11){  totalsig[total++] = res2[i];  }  }   * + 1. Verify the buffer blocks for continuity     2. Convert point array to buffered image     3. Set buffered image as rawsignature   Point[] pointArray1 = SignatureUtility.decodeBinarySignatureData(fin, 1);  BufferedImage image = **null**;  image = SignatureUtility.drawSignature(200, 80, pointArray1);  nwDeviceData.setRawSignature(pointArray1);  setCompressedDeviceSignature(image, nwDeviceData);   * 1. 20.1 – User Decclined the transaction. Return the call back   2. 20.2 – User selected Print functionality.   String prntForm1 = languageHandler.INGENICO\_PRINT\_PG1;  sendMessage(INGENICO\_RESET\_LINEDISPLAY+ETX);  sendMessage(prntForm1+ETX);  responseStr = readResponse();   * 1. 20.3 –User selected View Functionality   accept = "V"; | 279095\_OPUS\_HLD\_15  279095\_OPUS\_HLD\_16  279095\_OPUS\_HLD\_17 |

The [SRT\_RM\_ReqPro\_Auto\_Tagging](https://cps.web.att.com/CPSWorkplace/getContent?id=current&vsId=%7B67070CE6-CDED-4932-8F1D-F6073BA40DF8%7D&objectStoreName=IT-Architecture.__.Planning.__.and.__.Integration&objectType=document&guestId=servicesguest) Reference Document provides information on how to use auto-tagging within SRT ReqPro.

If the table is not used to capture requirements, please remove it from document.

### Functional Overview

[http://p8prism.web.att.com:80/PRISMP8/EmailLinkServlet?objectID={7A0605D5-60F7-4DB7-B8FA-EED01ACDE853}&folderid=279095&documentumToP8=NO&moduleid=5&environment=10](http://p8prism.web.att.com:80/PRISMP8/EmailLinkServlet?objectID=%7b7A0605D5-60F7-4DB7-B8FA-EED01ACDE853%7d&folderid=279095&documentumToP8=NO&moduleid=5&environment=10)

### Middleware Design - Presentation Tier

*NA*

Class Diagram : OPUS Mobile changes

|  |  |  |
| --- | --- | --- |
| **Change Summary** | | |
| **Class/JSP Name** | **Change type** | **Change Description** |
| opus\_1502\database\crtDbApp\dml\1502\_279095\_Enterprise\_Configurable.sql | New | Create a new sql file to describe the wording changes required for elements 279095\_OM\_AD\_04 and 279095\_OPUS\_AD\_13 |
| opus\_1502\database\crtDbApp\dml\1502\_279095\_Project\_Store\_Configurable.sql | New | Create a new sql file to handle the project level store configurables |
| common/src/main/POS2/Core/Administration/StoreProfile.java | Modify | Added new method to control project level store configurables |
| frontend/src/main/net/cingular/opus/customerservice/AcceptContractAction.java | Modify | Updated to address code changes needed for WCA verbiage changes |
| frontend/src/main/net/cingular/opus/customerservice/AcceptContractForm.java | Modify | Updated to address code change required to hide previous button |
| frontend/WAR/newlnf/mobile/activation/OMAcceptContractSignature.jsp | Modify | Updated to address code changes required for Skip button, View, Print, Overlay title change, etc. changes. |

Class Diagram : OPUS Network ISC250 changes

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| --- | --- | --- |
| **Change Summary** | | |
| **Class/JSP Name** | **Change type** | **Change Description** |
| opus\_1502\database\crtDbApp\dml\1502\_279095\_Enterprise\_Configurable.sql | New | Create a new sql file to describe the wording changes required for elements 279095\_OM\_AD\_04 and 279095\_OPUS\_AD\_13 |
| opus\_1502\database\crtDbApp\dml\1502\_279095\_Project\_Store\_Configurable.sql | New | Create a new sql file to handle the project level store configurables |
| common/src/main/POS2/Core/Administration/StoreProfile.java | Modify | Added new method to control project level store configurables |
| frontend/src/main/net/cingular/opus/customerservice/AcceptContractAction.java | Modify | Updated to address code changes needed for WCA verbiage changes |
| frontend/src/main/poslite/peripherals/NwActivationSessionData.java | Modify | Updated to handle the new api key name WCA\_SIGN\_LEGAL\_MANDATE  Updated to handle the code change for display of verbiage title in the device acceptance page. |
| frontend/WAR/newlnf/customerService/AcceptContractSignature.jsp | Modify | Updated to address code changes required for Skip button, Print, device auto engage, etc. changes. |

Class Diagram : OPUS USB ISC250 changes

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| --- | --- | --- |
| **Change Summary** | | |
| **Class/JSP Name** | **Change type** | **Change Description** |
| opus\_1502\database\crtDbApp\dml\1502\_279095\_Enterprise\_Configurable.sql | New | Create a new sql file to describe the wording changes required for elements 279095\_OM\_AD\_04 and 279095\_OPUS\_AD\_13 |
| opus\_1502\database\crtDbApp\dml\1502\_279095\_Project\_Store\_Configurable.sql | New | Create a new sql file to handle the project level store configurables |
| common/src/main/POS2/Core/Administration/StoreProfile.java | Modify | Added new method to control project level store configurables |
| frontend/src/main/poslite/applet/IngenicoSigCap.java | Modify | Updated to address code changes needed for WCA verbiage changes, loading of new forms based on project store flag, view, print changes etc. |
| frontend/src/main/poslite/applet/PeripheralApplet.java | Modify | Updated to cascade the project store flag all the way inside to IngenicoSigCap.java |
| frontend/src/main/poslite/applet/PeripheralController.java | Modify | Updated to cascade the project store flag all the way inside to IngenicoSigCap.java |
| frontend/src/main/poslite/servlet/ContractServlet.java | Modify | Updated with code to find out the project store flag value. |
| frontend/WAR/newlnf/customerService/AcceptContractSignature.jsp | Modify | Updated to address code changes required for Skip button, Print, device auto engage, etc. changes. |

#### Class Description

***Class Description –*** OPUS Mobile changes

|  |  |
| --- | --- |
| **Class :** common/src/main/POS2/Core/Administration/StoreProfile.java | |
| **Description** | Updated to fetch the project level flag changes |
| **Change Summary** | Added 2 methods to find out project level flag changes for opus mobile and opus |
| **Operation/Attributes** | **Description** |
|  | //1502 279095 store flag changes WCA Legal mandate  /\*\*  \* Enable the OM WCA Legal Mandate changes (ISC250)  \* **@return** boolean  \*/  **public** **boolean** isOMWCALegalMandateEnabled()  {  String confValue = (String)configurables.get(***OM\_279095\_WCASIGCAP\_LEGAL\_MANDATE***);  **if**(*log*.isDebugEnabled())  {  *log*.debug( "isOMWCALegalMandateEnabled OM\_279095\_WCASIGCAP\_LEGAL\_MANDATE : " + confValue );  }  **return** (confValue != **null** && confValue.equalsIgnoreCase("Y")) ? **true** : **false**;  }    //1502 279095 store flag changes WCA Legal mandate  /\*\*  \* Enable the OPUS WCA Legal Mandate changes (ISC250)  \* **@return** boolean  \*/  **public** **boolean** isOPUSWCALegalMandateEnabled()  {  String confValue = (String)configurables.get(***OPUS\_279095\_WCASIGCAP\_LEGAL\_MANDATE***);  **if**(*log*.isDebugEnabled())  {  *log*.debug( "isOPUSWCALegalMandateEnabled OPUS\_279095\_WCASIGCAP\_LEGAL\_MANDATE : " + confValue );  }  **return** (confValue != **null** && confValue.equalsIgnoreCase("Y")) ? **true** : **false**;  } |
| **Class :** frontend/src/main/net/cingular/opus/customerservice/AcceptContractAction.java | |
| **Description** | Updated to handle the WCA verbiage based on project level flag. |
| **Change Summary** | When fetching the Enterprise config validate to see if project level flag is on, then fetch from the newly created enterprise config variable to honor the wording changes for WCA verbiage. |
| **Operation/Attributes** | **Description** |
| **public** ActionForward showsigcap(ActionMapping mapping, ActionForm actionform,  HttpServletRequest request,  HttpServletResponse response)  **throws** Exception | **boolean** isOM279095WCALegalMandateON = **new** poslite.common.utils.MyRegister(request).getRetailLocation().getStoreProfile().isOMWCALegalMandateEnabled  ();  **boolean** isOPUS279095WCALegalMandateON = **new** poslite.common.utils.MyRegister(request).getRetailLocation().getStoreProfile().isOPUSWCALegalMandateEnabled();  //Rel. 1502 - 279095 - WCA Legal Mandate - BEGIN  **if**(isOPUSMobileRegister(request))  {  **if**(isOM279095WCALegalMandateON)  {  omTncLinesVerbiage = ConfigurablesManager.*getConfigurableString*("WCA\_TC\_VERBIAGE\_SPN\_LEGAL\_MANDATE","CustomerService");  }  }  **else**  {  **if**(isOPUS279095WCALegalMandateON)  {  omTncLinesVerbiage = ConfigurablesManager.*getConfigurableString*("WCA\_TC\_VERBIAGE\_SPN\_LEGAL\_MANDATE","CustomerService");  }  }  //Rel. 1502 - 279095 - WCA Legal Mandate – END  //Rel. 1502 - 279095 - WCA Legal Mandate - BEGIN  **if**(isOPUSMobileRegister(request))  {  **if**(isOM279095WCALegalMandateON)  {  omTncLinesVerbiage = ConfigurablesManager.*getConfigurableString*("WCA\_TC\_VERBIAGE\_ENG\_LEGAL\_MANDATE","CustomerService");  }  }  **else**  {  **if**(isOPUS279095WCALegalMandateON)  {  omTncLinesVerbiage = ConfigurablesManager.*getConfigurableString*("WCA\_TC\_VERBIAGE\_ENG\_LEGAL\_MANDATE","CustomerService");  }  }  //Rel. 1502 - 279095 - WCA Legal Mandate - END |
| **Class :** frontend/src/main/net/cingular/opus/customerservice/AcceptContractForm.java | |
| **Description** | Introduced a new flag to hide the previous button on WCA when coming from overlay |
| **Change Summary** | Added new flag to hide the previous button on WCA |
| **Operation/Attributes** | **Description** |
|  | private String omHidePreviousBtn = "";  **public** String getOmHidePreviousBtn() {  **return** omHidePreviousBtn;  }  **public** **void** setOmHidePreviousBtn(String omHidePreviousBtn) {  **this**.omHidePreviousBtn = omHidePreviousBtn;  } |
| **Class :** frontend/WAR/newlnf/mobile/activation/OMAcceptContractSignature.jsp | |
| **Description** | Updated to address code changes required for Skip button, View, Print, Overlay title change, etc. changes. |
| **Change Summary** | Updated to address code changes required for Skip button, View, Print, Overlay title change, etc. changes. |
| **Operation/Attributes** | **Description** |
|  | boolean isOMWCALegalMandateEnabled = register1.getRetailLocation().getStoreProfile().isOMWCALegalMandateEnabled();  <c:set var="isOMWCALegalMandateEnabled"><%=isOMWCALegalMandateEnabled%></c:set>  function handleSigCapture(btnClicked)  {  //btnClicked="View";  //btnClicked="Print";    startPleaseWait();    if (btnClicked.indexOf('Accept') != -1 ||btnClicked.indexOf('Aceptar') != -1 )  {  document.acceptContractForm.omSigCapDone.value = 'DONE';  acceptSig();  }  else if (btnClicked.indexOf('Decline') != -1 || btnClicked.indexOf('Rechazar') != -1)  {  document.acceptContractForm.omSigCapDone.value = 'DONE';  declineSig('false');  }  else if (btnClicked.indexOf('Skip') != -1 || btnClicked.indexOf('Omitir') != -1)  {  document.acceptContractForm.omSigCapDone.value = 'DONE';  buttonSkip();  }  //TBD: change the spanish equivalent to correct wording, waiting on Jennifer  else  if (btnClicked.indexOf('View') != -1 || btnClicked.indexOf('Omitir') != -1)  {  //alert('view button clicked');  document.acceptContractForm.omWcaDone.value = '';  document.acceptContractForm.omHidePreviousBtn.value = 'Y';  jQuery('#btnNxt').click();  }  //TBD: change the spanish equivalent to correct wording, waiting on Jennifer  else if (btnClicked.indexOf('Print') != -1 || btnClicked.indexOf('Omitir') != -1)  {  //alert('print invoked');  printWCA();  showOverlay('#printSuccess','10%','25%','40%');  }  }    <html:hidden styleId="omHidePreviousBtn" property="omHidePreviousBtn"/>  <c:if test="${acceptContractForm.actionType ne 'baseagreement' && acceptContractForm.actionType ne 'activationmoveexisting'}">  <c:if test="${acceptContractForm.omWcaDone eq 'SHOW' && acceptContractForm.refresh ne true}">  <c:set var="btnList" value="Previous&#124;Go To Acceptance" />  <c:if test="${isOMWCALegalMandateEnabled eq true && acceptContractForm.omHidePreviousBtn eq 'Y'}">  <c:set var="btnList" value="Go To Acceptance" />  </c:if>  <c:choose>  <c:when test="${isLocalDealer}">  <opusm:peripheralutility  peripheralActivity="displayPdf"  servletName="createpdf"  servletChoiceName="action"  servletChoiceValue="wirelesscustomeragreement"  wifiAutoPrint = "false"  ldStore = "true"  wifiPrint = "${isWifiPrintingEnabled}"  pdfButtonList = "${btnList}"  callBackJS="handleWCA"/>  </c:when>  <c:otherwise>  <opusm:peripheralutility  peripheralActivity="displayPdf"  servletName="createpdf"  servletChoiceName="action"  servletChoiceValue="wirelesscustomeragreement"  pdfPrint = "true"  pdfButtonList = "${btnList}"  callBackJS="handleWCA"/>  </c:otherwise>  </c:choose>  </c:if>  </c:if>  <opusm:peripheralutility  peripheralActivity="displayTCSignature"  servletName="servlet/OPUSMOBILE"  servletChoiceName="choice"  servletChoiceValue="getSigBytes"  callBackJS="handleSigCapture"  languagePreferences="${acceptContractForm.buttonsLanguage}" />  <c:choose>  <c:when test="${acceptContractForm.digitalLifeFlow eq true}">  <div id="opusmobilesignatureskipbutton" style="display: none;">true</div>  </c:when>  <c:otherwise>  <c:if test="${isOMWCALegalMandateEnabled eq true}">  <div id="opusmobilesignatureskipbutton" style="display: none;">false</div>  </c:if>  </c:otherwise>  </c:choose>  <c:choose>  <c:when test="${isOMWCALegalMandateEnabled eq true}">  <div id="opusmobilesignatureoverlaytitle" style="display: none'">Wireless Customer Agreement Acceptance</div>  <div id="opusmobilesignatureoverlayviewprintdiv" style="display: none'">true</div>  </c:when>  <c:otherwise>  <div id="opusmobilesignatureoverlaytitle" style="display: none'">Customer Signature</div>  <div id="opusmobilesignatureoverlayviewprintdiv" style="display: none'">false</div>  </c:otherwise>  </c:choose>  <div id="printSuccess" style="display: none;">  <div id="alertBox">  <div id="successPrintMsgDiv" class="alertboxContent">The Wireless Customer Agreement has been sent to printer.</div>  <div class="spacer1">&nbsp;</div>  <input type="button" value=" Ok " onclick="jQuery.unblockUI();" class="alertButtongrey">  <div class="spacer1">&nbsp;</div>  </div>  </div> |

***Class Description –*** OPUS Network ISC 250 changes

|  |  |
| --- | --- |
| **Class :** common/src/main/POS2/Core/Administration/StoreProfile.java | |
| **Description** | Updated to fetch the project level flag changes |
| **Change Summary** | Added 2 methods to find out project level flag changes for opus mobile and opus |
| **Operation/Attributes** | **Description** |
|  | //1502 279095 store flag changes WCA Legal mandate  /\*\*  \* Enable the OM WCA Legal Mandate changes (ISC250)  \* **@return** boolean  \*/  **public** **boolean** isOMWCALegalMandateEnabled()  {  String confValue = (String)configurables.get(***OM\_279095\_WCASIGCAP\_LEGAL\_MANDATE***);  **if**(*log*.isDebugEnabled())  {  *log*.debug( "isOMWCALegalMandateEnabled OM\_279095\_WCASIGCAP\_LEGAL\_MANDATE : " + confValue );  }  **return** (confValue != **null** && confValue.equalsIgnoreCase("Y")) ? **true** : **false**;  }    //1502 279095 store flag changes WCA Legal mandate  /\*\*  \* Enable the OPUS WCA Legal Mandate changes (ISC250)  \* **@return** boolean  \*/  **public** **boolean** isOPUSWCALegalMandateEnabled()  {  String confValue = (String)configurables.get(***OPUS\_279095\_WCASIGCAP\_LEGAL\_MANDATE***);  **if**(*log*.isDebugEnabled())  {  *log*.debug( "isOPUSWCALegalMandateEnabled OPUS\_279095\_WCASIGCAP\_LEGAL\_MANDATE : " + confValue );  }  **return** (confValue != **null** && confValue.equalsIgnoreCase("Y")) ? **true** : **false**;  } |
| **Class :** frontend/src/main/net/cingular/opus/customerservice/AcceptContractAction.java | |
| **Description** | Updated to handle the WCA verbiage based on project level flag. |
| **Change Summary** | When fetching the Enterprise config validate to see if project level flag is on, then fetch from the newly created enterprise config variable to honor the wording changes for WCA verbiage. |
| **Operation/Attributes** | **Description** |
| **public** ActionForward showsigcap(ActionMapping mapping, ActionForm actionform,  HttpServletRequest request,  HttpServletResponse response)  **throws** Exception | **boolean** isOM279095WCALegalMandateON = **new** poslite.common.utils.MyRegister(request).getRetailLocation().getStoreProfile().isOMWCALegalMandateEnabled  ();  **boolean** isOPUS279095WCALegalMandateON = **new** poslite.common.utils.MyRegister(request).getRetailLocation().getStoreProfile().isOPUSWCALegalMandateEnabled();  //Rel. 1502 - 279095 - WCA Legal Mandate - BEGIN  **if**(isOPUSMobileRegister(request))  {  **if**(isOM279095WCALegalMandateON)  {  omTncLinesVerbiage = ConfigurablesManager.*getConfigurableString*("WCA\_TC\_VERBIAGE\_SPN\_LEGAL\_MANDATE","CustomerService");  }  }  **else**  {  **if**(isOPUS279095WCALegalMandateON)  {  omTncLinesVerbiage = ConfigurablesManager.*getConfigurableString*("WCA\_TC\_VERBIAGE\_SPN\_LEGAL\_MANDATE","CustomerService");  }  }  //Rel. 1502 - 279095 - WCA Legal Mandate – END  //Rel. 1502 - 279095 - WCA Legal Mandate - BEGIN  **if**(isOPUSMobileRegister(request))  {  **if**(isOM279095WCALegalMandateON)  {  omTncLinesVerbiage = ConfigurablesManager.*getConfigurableString*("WCA\_TC\_VERBIAGE\_ENG\_LEGAL\_MANDATE","CustomerService");  }  }  **else**  {  **if**(isOPUS279095WCALegalMandateON)  {  omTncLinesVerbiage = ConfigurablesManager.*getConfigurableString*("WCA\_TC\_VERBIAGE\_ENG\_LEGAL\_MANDATE","CustomerService");  }  }  //Rel. 1502 - 279095 - WCA Legal Mandate - END |
| **Class :** frontend/src/main/poslite/peripherals/NwActivationSessionData.java | |
| **Description** | Updated to handle the new api key name WCA\_SIGN\_LEGAL\_MANDATE  Updated to handle the code change for display of verbiage title in the device acceptance page. |
| **Change Summary** | new api key name WCA\_SIGN\_LEGAL\_MANDATE  Updated to handle the code change for display of verbiage title in the device acceptance page. |
| **Operation/Attributes** | **Description** |
| **public** **void** getAgreement(HttpServletRequest request, **int** maxCharInLine, List<String> wcaLineWiseListData, List<String> wcaFinalPageLineWiseListData, NwRequestDataType dataType) | **case** WCA\_SIGN\_LEGAL\_MANDATE:  getWirelessWCA(request,maxCharInLine,wcaLineWiseListData,wcaFinalPageLineWiseListData);  **break**; |
| **private** String getAgreementTypeHeading(String lang, String titanban, **boolean** isOpusWCALegalMandateEnabled) | **if**(titanban.equals(""))  {  **if**(isOpusWCALegalMandateEnabled)  {  agreementType = " WIRELESS CUSTOMER AGREEMENT ";  }  **else**  {  agreementType = " WIRELESS CUSTOMER AGREEMENT (WCA) ";  }  } |
| **Class :** frontend/WAR/newlnf/customerService/AcceptContractSignature.jsp | |
| **Description** | Updated to address code changes required for Skip button, Print, device auto engage, etc. changes. |
| **Change Summary** | Updated to address code changes required for Skip button, Print, device auto engage, etc. changes. |
| **Operation/Attributes** | **Description** |
|  | boolean isOpusWCALegalMandateEnabled = (new poslite.common.utils.MyRegister(request)).getRetailLocation().getStoreProfile().isOMWCALegalMandateEnabled();  <c:set var="isOpusWCALegalMandateEnabled"><%=isOpusWCALegalMandateEnabled%></c:set>  if(customerSession.getNwDeviceData().getAcceptWCA().equals("P"))  {  %>  popupWCAFromSigCap();  //am6489 : 1502, 279095 auto reengaging of the device, WCA Legal mandate.  <c:if test="${isOpusWCALegalMandateEnabled}">  processStation();  </c:if>  <%    customerSession.getNwDeviceData().setAcceptWCA("U");  }  }  }  function processStation()  {  var apiKEY = "WCA\_SIGN";  <c:if test="${isOpusWCALegalMandateEnabled}">  apiKEY = "WCA\_SIGN\_LEGAL\_MANDATE"  </c:if>  //ap    <div id = "skipbutton">  <c:choose>  <c:when test="${isOpusWCALegalMandateEnabled eq true && isISC250NWSigcapON eq true}">  <opus:newbutton style = "margin-right:20px;border:none" styleId="btnSkip" style="display:none" label="Skip" onclick="skip()"/>  </c:when>  <c:otherwise>  <opus:newbutton style = "margin-right:20px;border:none" styleId="btnSkip" label="Skip" onclick="skip()"/>  </c:otherwise>  </c:choose>    </div> |
|  | |
|  |  |

***Class Description –*** OPUS USB ISC 250 changes

|  |  |
| --- | --- |
| **Class :** common/src/main/POS2/Core/Administration/StoreProfile.java | |
| **Description** | Updated to fetch the project level flag changes |
| **Change Summary** | Added 2 methods to find out project level flag changes for opus mobile and opus |
| **Operation/Attributes** | **Description** |
|  | //1502 279095 store flag changes WCA Legal mandate  /\*\*  \* Enable the OM WCA Legal Mandate changes (ISC250)  \* **@return** boolean  \*/  **public** **boolean** isOMWCALegalMandateEnabled()  {  String confValue = (String)configurables.get(***OM\_279095\_WCASIGCAP\_LEGAL\_MANDATE***);  **if**(*log*.isDebugEnabled())  {  *log*.debug( "isOMWCALegalMandateEnabled OM\_279095\_WCASIGCAP\_LEGAL\_MANDATE : " + confValue );  }  **return** (confValue != **null** && confValue.equalsIgnoreCase("Y")) ? **true** : **false**;  }    //1502 279095 store flag changes WCA Legal mandate  /\*\*  \* Enable the OPUS WCA Legal Mandate changes (ISC250)  \* **@return** boolean  \*/  **public** **boolean** isOPUSWCALegalMandateEnabled()  {  String confValue = (String)configurables.get(***OPUS\_279095\_WCASIGCAP\_LEGAL\_MANDATE***);  **if**(*log*.isDebugEnabled())  {  *log*.debug( "isOPUSWCALegalMandateEnabled OPUS\_279095\_WCASIGCAP\_LEGAL\_MANDATE : " + confValue );  }  **return** (confValue != **null** && confValue.equalsIgnoreCase("Y")) ? **true** : **false**;  } |
| **Class :** frontend/src/main/poslite/applet/IngenicoSigCap.java | |
| **Description** | Updated to address code changes needed for WCA verbiage changes, loading of new forms based on project store flag, view, print changes etc. |
| **Change Summary** | Project changes for USB ISC250 |
| **Operation/Attributes** | **Description** |
|  | public void getWCATermsAndConditions(String wcaVerbiage, String nirvanaTCVerbiage, String[] subList, String wcaTCVerbiage, boolean isOpusWCALegalMandateEnabled)  public void getForWCAContractAcceptance(String wcaTextVerbiage, boolean isOpusWCALegalMandateEnabled) throws Exception  isc250WCAListener.getForWCAContractAcceptance(wcaVerbiage, isOpusWCALegalMandateEnabled);  displayWCATerms(page, isOpusWCALegalMandateEnabled);  if(page == 1)  {  if(!digitalLifeFlow && isOpusWCALegalMandateEnabled)  {  debug("Opening " +lang + "WCALEGAL1.K3Z");  objData=lang + "WCALEGAL1.K3Z";  }  else  {  debug("Opening " +lang + "WCA1.K3Z");  objData=lang + "WCA1.K3Z";  }  setIsc250Variable("CURRENTWINDOW=1");  clearLineDisplay();  }  else if((linesForLastpage == 0) && page == (totalMessage.size() / WCA\_SCREEN\_LENGTH))  {  if(!digitalLifeFlow && isOpusWCALegalMandateEnabled)  {  debug("Opening " +lang + "WCALEGAL3.K3Z");  //objData=lang + "WCALEGAL3.K3Z";  objData=lang + "WCA3.K3Z";  }  else  {  debug("Opening " +lang + "WCA3.K3Z");  objData=lang + "WCA3.K3Z";  }  lineDisplay.directIO(command, pData, objData);  setIsc250Variable("CURRENTWINDOW=1");  clearLineDisplay();  }  else if((linesForLastpage != 0) && page == ((totalMessage.size() / WCA\_SCREEN\_LENGTH) +1))  {  if(!digitalLifeFlow && isOpusWCALegalMandateEnabled)  {  debug("Opening " +lang + "WCALEGAL3.K3Z");  //objData=lang + "WCALEGAL3.K3Z";  objData=lang + "WCA3.K3Z";  }  else  {  debug("Opening " +lang + "WCA3.K3Z");  objData=lang + "WCA3.K3Z";  }  lineDisplay.directIO(command, pData, objData);  setIsc250Variable("CURRENTWINDOW=1");  clearLineDisplay();  }  else  {  if(!digitalLifeFlow && isOpusWCALegalMandateEnabled)  {  debug("Opening " +lang + "WCALEGAL2.K3Z");  //objData=lang + "WCALEGAL2.K3Z";  objData=lang + "WCA2.K3Z";  }  else  {  debug("Opening " +lang + "WCA2.K3Z");  objData=lang + "WCA2.K3Z";  }  lineDisplay.directIO(command, pData, objData);  setIsc250Variable("CURRENTWINDOW=1");  clearLineDisplay();  }    else if(titanban.equals("") && isOpusWCALegalMandateEnabled)  {  agreementType = " WIRELESS CUSTOMER AGREEMENT (WCA) ";  }  else if(titanban.equals("") && !isOpusWCALegalMandateEnabled)  {  agreementType = " WIRELESS CUSTOMER AGREEMENT ";  } |
| **Class :** frontend/src/main/poslite/applet/PeripheralApplet.java | |
| **Description** | Updated to cascade the project store flag all the way inside to IngenicoSigCap.java |
| **Change Summary** | Updated to cascade the project store flag all the way inside to IngenicoSigCap.java |
| **Operation/Attributes** | **Description** |
|  | peripheralController.getWCATermsAndConditions(wcaVerbiage, nirvanaTCVerbiage, subList, wcaTCVerbiage, this);  public boolean isOpusWCALegalMandateEnabled() {  debug("Inside isOpusWCALegalMandateEnabled");  try {  String response = "";  Vector commandVector = new Vector();  commandVector.add("ISOPUSWCALEGALMANDATEENABLED");  response = (String)communicateWithContractServlet(commandVector);  debug("ISOPUSWCALEGALMANDATEENABLED ::" + response);  if (response.equals("true"))  return true;  else  return false;  } catch (Exception e) {  debug("Exception in getting ISOPUSWCALEGALMANDATEENABLED with ContractServlet");  }  return false;  } |
| **Class :** frontend/src/main/poslite/applet/PeripheralController.java | |
| **Description** | Updated to cascade the project store flag all the way inside to IngenicoSigCap.java |
| **Change Summary** | Updated to cascade the project store flag all the way inside to IngenicoSigCap.java |
| **Operation/Attributes** | **Description** |
|  | public void getWCATermsAndConditions(String wcaVerbiage, String nirvanaTCVerbiage, String[] subList, String wcaTCVerbiage, PeripheralApplet app) throws Exception  isc.getWCATermsAndConditions(wcaVerbiage, nirvanaTCVerbiage, subList, wcaTCVerbiage, app.isOpusWCALegalMandateEnabled()); |
| **Class :** frontend/src/main/poslite/servlet/ContractServlet.java | |
| **Description** | Updated with code to find out the project store flag value. |
| **Change Summary** | Updated with code to find out the project store flag value. |
| **Operation/Attributes** | **Description** |
|  | else if(command.equalsIgnoreCase("ISOPUSWCALEGALMANDATEENABLED"))  {  log.debug("Inside ISOPUSWCALEGALMANDATEENABLED");  boolean isOpusWCALegalMandateEnabled = new MyRegister(request).getRetailLocation().getStoreProfile().isOMWCALegalMandateEnabled();  log.debug("Config value for isOpusWCALegalMandateEnabled :: " + isOpusWCALegalMandateEnabled);  if(isOpusWCALegalMandateEnabled)  {  responseObject = "true";  }  else  {  responseObject = "false";  }  } |

#### 

#### UI Design

##### Wireframe

<http://alhoov1uvinda01:8600/OPUS/OPUS_Launcher_DEV/pdfs/OPUS/OPUSMobile_279095_IndividualActivation.pdf>

<http://alhoov1uvinda01:8600/OPUS/OPUS_Launcher_DEV/pdfs/OPUS/OPUS_279095_IndividualActivation.pdf>

##### Screen Element Definition

*NA*

##### Screen CAR Definition

*NA*

##### Input Validations

*NA*

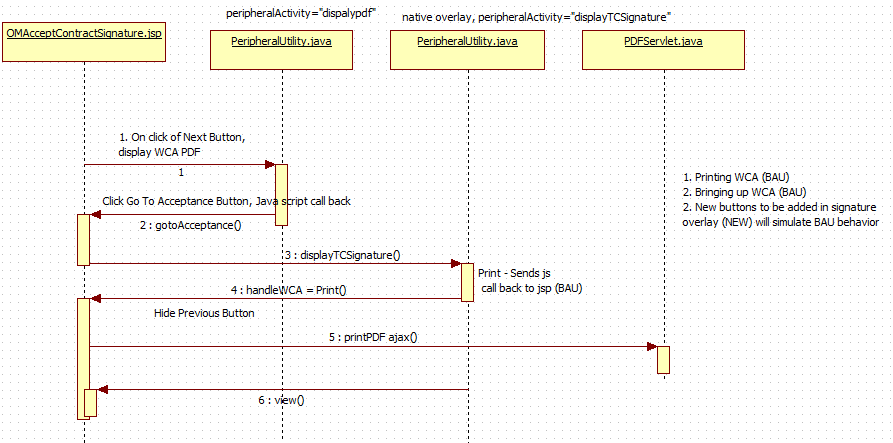
##### Conditional Rendering

*NA*

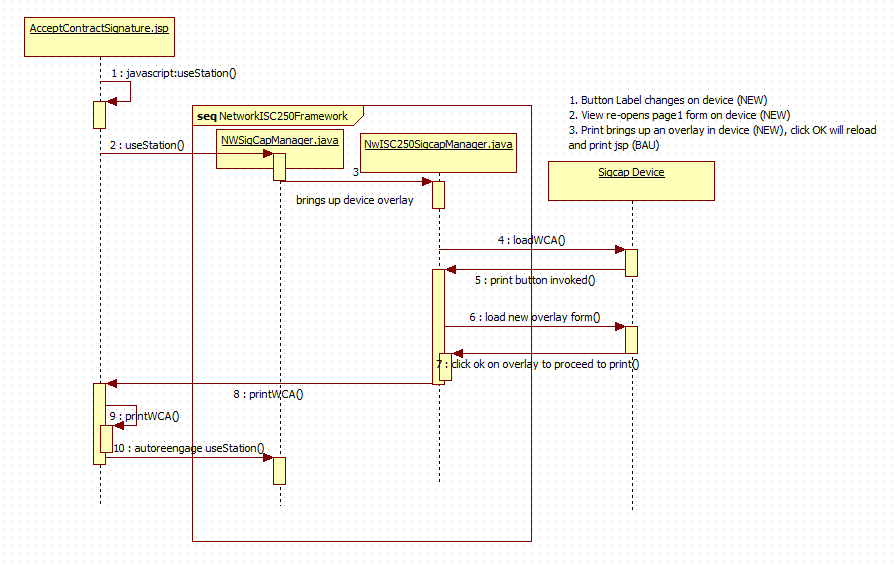
*U*I Action Processing - Sequence Diagram

##### 

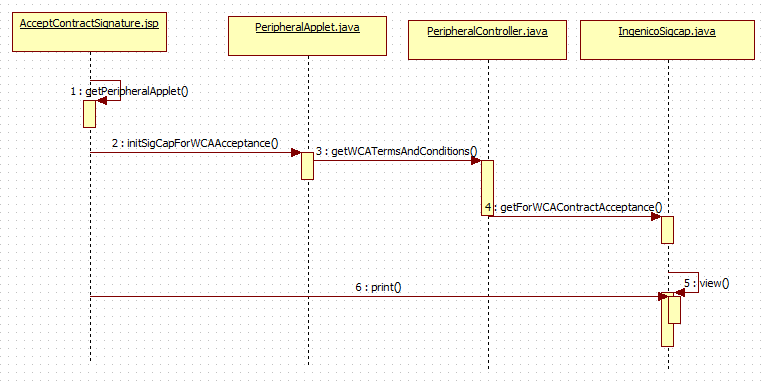
Sequence Diagram for Opus Mobile Changes:



Sequence Diagram for Network Sigcap ISC250 :



Sequence Diagram for USB Sigcap ISC250 :

****

##### UI Action Processing - Data Mapping

NA

Middleware Design – Business Tier

*NA.*

#### Class Diagram

NA

#### Business Method - Sequence Diagram

*NA*

#### Business Method - Data Mapping

## NA

#### Asynchronous/Batch Processing - Sequence Diagram

*NA*

#### Asynchronous/Batch Processing - Data Mapping

*NA*

### Middleware Design – Externalized Configuration

*NA*

### Database Tier Design

*This section captures the design for the database components supporting the module(s) being designed.*

#### ER Diagram

*NA*

#### Table Definitions/Data Dictionary

#### NA

#### Type and Sequence Definitions

*NA*

#### Database Scripts

**opus\_1502\database\crtDbApp\dml\1502\_279095\_Enterprise\_Configurable.sql**

**SET** DEFINE OFF;

**insert** **into** enterprise\_config (CV\_DESCRIPTION, MVL\_CODE, RL\_NUMBER, CR\_NUMBER, VP\_DOMAIN\_NAME, VP\_KEY\_NAME, EC\_TYPE, EC\_ID)

**values** ('I understand that this Wireless Customer Agreement and Customer Service Summary applies to the following wireless numbers:',**NULL**,**NULL**,**NULL**,'CustomerService','WCA\_TC\_VERBIAGE\_ENG\_LEGAL\_MANDATE','E',ENT\_CONF\_ID\_SEQ.nextVal);

**insert** **into** enterprise\_config (CV\_DESCRIPTION, MVL\_CODE, RL\_NUMBER, CR\_NUMBER, VP\_DOMAIN\_NAME, VP\_KEY\_NAME, EC\_TYPE, EC\_ID)

**values** ('Entiendo que este Contrato de Servicio Movil corresponde a los siguientes numeros de telefono movil::',**NULL**,**NULL**,**NULL**,'CustomerService','WCA\_TC\_VERBIAGE\_SPN\_LEGAL\_MANDATE','E',ENT\_CONF\_ID\_SEQ.nextVal);

**COMMIT**;

**opus\_1502\database\crtDbApp\dml\1502\_279095\_Project\_Store\_Configurable.sql**

**SET** DEFINE OFF;

**insert** **into** POS.STORE\_CONFIGURABLE\_LIST

(CONFIG\_NAME, CONFIG\_DESCRIPTION, DEFAULT\_VALUE, RELEASE, PROJECT,

CREATION\_DATE, UPDATE\_DATE, UPDATE\_BY\_UID)

Values

('OM\_279095\_WCASIGCAP\_LEGAL\_MANDATE', 'OPUS Mobile WCA SIGCAP Legal Mandate 279095', 'N', '1502', 'WCA Legal Mandate',

sysdate, sysdate, 'am6489');

**insert** **into** POS.STORE\_CONFIGURABLE\_LIST

(CONFIG\_NAME, CONFIG\_DESCRIPTION, DEFAULT\_VALUE, RELEASE, PROJECT,

CREATION\_DATE, UPDATE\_DATE, UPDATE\_BY\_UID)

Values

('OPUS\_279095\_WCASIGCAP\_LEGAL\_MANDATE', 'OPUS WCA SIGCAP Legal Mandate 279095', 'N', '1502', 'WCA Legal Mandate',

sysdate, sysdate, 'am6489');

**COMMIT**;

#### Database Replication Design

*NA*

#### Database Stored Procedure/Trigger Design

*NA*

##### Interface and Implementation Specifications

*NA*

## Alternative Designs

NA

## Assumptions/Risks

NA

## Pre-Production Disaster Recovery Planning

*NA*

### 

## Other Plans and References

NA

|  |
| --- |
|  |

## 

## Acceptance & Approvals

Overview

Use this section to capture approvals in the event that electronic approvals via the PRISM Project Workflow Module will not be used.

The Approvers of this work product agree that this document is acceptable and complete to the best of their knowledge and will be used by the project team as an official deliverable for the project. It is further agreed that this document can now be baselined and any changes to these sections from this point forward must follow the Managing Change in the Technology Development Unified Process.

Embed evidence of approval in the review table below, or use the PRISM Approval Functionality in the Project Workflow Module Workflow Template View.

Approvers

|  |  |  |  |
| --- | --- | --- | --- |
| **ATTUID and Name** | **Role** | **Group/Application** | **Version Approved, Approval Date and Approval Evidence** |
| Kandi, Pavan | PTA | OPUS / OM |  |
| Manchikalapudi, Ram | PTA | OPUS / OM |  |
| Kasuganti, Neetha | Retail Functional Architecture | OPUS / OM |  |
| Gunna, Moapal | STD | OPUS / OM |  |
| Jadhav, Sharad | STD | OPUS / OM |  |
|  |  |  |  |
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|  |  |  |  |