To Create a Collaboration Protocol Agreement

There are two parts to the CPA, one is the Sending party's Organization ID (OID) and the other is the Receiving party's OID. You are required to obtain your partner's OID number.

1. Contact the PHINMS help desk to obtain an Organization ID (OID) for your organization by calling 800.532.9929 opt. 2 or by sending an e-mail to phintech@cdc.gov.

2. Create a CPA XML file. You can use any text editing software such as MS Notepad. The format is important. For instance, the CPA file naming convention for sending messages to CDC is <CDCOID>.<PartnerOID>.xml . . To be able to send messages both sending and receiving nodes should have a CPA that is identically named. This is how PHINMS determines the relationship between the two parties. Save this file.

3. After you create the CPA XML file, configure the file.

4. Make sure your partner's CPA has identical content in the CPA file as the corresponding partner's CPA file. For example if you have the following tag n one partner's CPA, you must have an identical tag in the corresponding partner's CPA: `<tp:PartyId tp:type="DUNS">CDCDUNSNUMBER</tp:PartyId>`

   You can avoid CPA rejection by making sure that when you change one tag in one partner's file, you remember to change the tag in the corresponding parter's CPA.

5. The following is an example of a CPA with remarks about each tag.

`Note: In Version 2.5 of PHINMS, CPAs can be created from the Console.`

1.1.1.1 Understanding CPA Tags

The following remarks (REM) explain the tags within the CPA. For more information about each tag see the information and tables in the following sections of this document:

- PartyInfo Segments
- Message Sender PartyInfo
- Message Receiver PartyInfo
- Transport Sub-segment
- Authentication Types

REM All tags must have a beginning and an ending tag such as:
`<tp:Start> and </tp:Start>`

REM Version Numbers:

```
<?xml version="1.0" ?>
```

REM The following tag is the beginning tag for the CPA and it contains the schema definitions.

```
<tp:CollaborationProtocolAgreement
xmlns:tp="http://www.ebxml.org/namespaces/tradePartner"
xmlns:xsi="http://www.w3.org/2000/10/XMLSchema-instance"
xsi:schemaLocation="http://www.ebxml.org/namespaces/tradePartner
http://ebxml.org/project_teams/trade_partner/cpp-cpa-v1_0.xsd"
xmlns:xlink="http://www.w3.org/1999/xlink"
xmlns:ds="http://www.w3.org/2000/09/xmldsig#"
tp:cpaid="uri:yoursandmycpa" tp:version="1.2">
```

REM

```
<tp:Status tp:value="proposed" />
   <tp:Start>2001-05-20T07:21:00Z</tp:Start>
   <tp:End>2002-05-20T07:21:00Z</tp:End>
   <tp:ConversationConstraints tp:invocationLimit="100"
tp:concurrentConversations="100" />
```

REM The following tag lists the partner's (in this case, LabCorp) party IDs, the type, reference transport ID, sending and receiving protocol, the protocol version and encryption certificate.

```
<tp:PartyInfo>
  <tp:PartyId tp:type="DUNS">LABCORPDUNSNUMBER</tp:PartyId>
  <tp:PartyRef xlink:href="http://www.lab.com/about.html" />

  <tp:Transport tp:transportId="N05">
      <tp:SendingProtocol tp:version="1.1">HTTP</tp:SendingProtocol>
      <tp:ReceivingProtocol
tp:version="1.1">HTTP</tp:ReceivingProtocol>
      <tp:Endpoint tp:uri="www.lab.com/soapreceiver/receiver"
tp:type="allPurpose" >

      <tp:TransportSecurity>
            <tp:Protocol tp:version="3.0">SSL</tp:Protocol>
            <tp:CertificateRef tp:certId="N03" />
      </tp:TransportSecurity>
  </tp:Transport>
</tp:PartyInfo>
```

REM The following tag lists the partner's (in this case, CDC) party IDs, the type, reference transport ID, sending and receiving protocol, the protocol version and encryption certificate.

```
<tp:PartyInfo>

  <tp:PartyId tp:type="DUNS">CDCDUNSNUMBER</tp:PartyId>
  <tp:PartyRef xlink:type="simple"
xlink:href="http://www.cdc.gov/about.html"/>

  <tp:Transport tp:transportId="N35">
```

```
        <tp:SendingProtocol tp:version="1.1">HTTPS</tp:SendingProtocol>
        <tp:ReceivingProtocol
tp:version="1.1">HTTPS</tp:ReceivingProtocol>
        <tp:Endpoint tp:uri="phmsg.cdc.gov/ebxml/receivefile"
tp:type="allPurpose" />
        <tp:TransportSecurity>
            <tp:Protocol tp:version="3.0">SSL</tp:Protocol>
            <tp:CertificateRef> </tp:CertificateRef>
            <tp:authenticationType>basic</tp:authenticationType>
            <!-- basic, custom, sdn, clientcert -->
            <tp:basicAuth>
              <tp:indexPage>/test.html</tp:indexPage>
              <tp:basicAuthUser>phmsgUser1</tp:basicAuthUser>
              <tp:basicAuthPasswd>phmsgPasswd1</tp:basicAuthPasswd>
            </tp:basicAuth>
</tp:TransportSecurity>
</tp:Transport>

</tp:PartyInfo>
```

REM The following tag indicates the language (in this case, US English) and the description of the agreement (in this case between the CDC and LabCorp).

```
<tp:Comment xml:lang="en-us">send/receive agreement between CDC and
Labcorp</tp:Comment>
```

REM The following tag is the ending tag for the CPA.

```
</tp:CollaborationProtocolAgreement>
```