Created By: - Umesh Adroja

Creating Project Invoice Proposal and posting it through X++

An invoice proposal is a preliminary invoice that you can review before you create a customer invoice for project transactions. This topic explains how to create an invoice proposal for posted project transactions that are chargeable to a customer. You can also add a customer prepayment or a customer-retained amount to an invoice proposal.

If you are using Microsoft Dynamics AX 2012 R3, you can modify the sales price of the lines in an invoice proposal and add a fee amount to an invoice proposal. When you post the invoice proposal, the sales price and fee amount are added to project transactions.

Use an on-account invoice to bill a customer for some or all of the contract value of a project. The amount that you enter in an on-account invoice for a project is based on the timing, percentage of completion, and other conditions that are specified in the project contract. The amount in an on-account invoice is not calculated based on the hours, items, or other transactions that are posted to a project.

The information that you enter in the form depends on the project type that you are using:

- For Fixed-price projects, on-account transactions are based on an agreed-upon milestone billing schedule, and one line is created for each payment that is to be received from the project customer. No deductions are needed.

- For Time and material projects, on-account transactions are entered as one line. Optionally, you can enter additional lines as deductions to offset any prepayments that have been made. You can create deduction lines by entering an amount preceded by a minus sign. The sum of the deductions and the on-account transactions should correspond to the original on-account amount.

To enter on-account invoice transactions, follow these steps:

1. Click **Project management and accounting** > **Common** > **Projects** > **All projects**
2. Select or open the project or project contract that you want to work with.
3. On the Action Pane, on the **Manage** or **Maintain** tab, in the **Bill** group, click **On-account transactions**.
4. In the **On-account** form, click **New**, and then enter the on-account amount or deduction on the new line.

Click **Project management and accounting** > **Common** > **Project invoices** > **Project invoice proposals**. In the **Invoice proposals** list, on the Action Pane, click **Invoice proposal**. If billing rules are assigned to the project, click **Invoice proposal from billing rule**.

Here I have placed a custom code to create and post project invoice proposal for project in ax 2012.

```
public void dev_generateInvoiceproposal(projID _projid,basedate transdate,ProjInvoiceProjId
_ProjectContractId)
  {
    // ProjInvoiceProjId    _ProjectContractId = "";   //Project Contract Id for which we want to
create Invoice Proposal
```

```
    ProjProposalJour      projProposalJour;        //Table which will store journal records after
creating Invoice Proposal
    ProjInvoiceChoose      m_oProjInvoiceChooseNormal; //Class for creating Invoice Proposal
    ProjFormLetter        projFormLetter;          //Class for Posting Invoice Proposal
    ProjOnAccTrans        objProjOnAccTrans_1;
    ttsBegin;
    //_ProjectContractId="SO-16-10-131";
    //Creation of Invoice Proposal
    //select firstonly * from  objProjOnAccTrans_1  order by recid desc where
objProjOnAccTrans_1.ProjID==_projid;
    m_oProjInvoiceChooseNormal =
ProjInvoiceChoose::PSANew_InvoiceChoose(_ProjectContractId,_projid,dateNull(),dateNull(),false,S
alesUpdate::DeliverNow,'',transdate);
    m_oProjInvoiceChooseNormal.run();

    while select forUpdate projProposalJour where projProposalJour.ProjInvoiceProjId ==
_ProjectContractId &&
    (projProposalJour.LineProperty!=ProjLinePropertyCode::Invoiced &&
projProposalJour.LineProperty!=ProjLinePropertyCode::Canceled)
    {
      //For approving Invoice proposals
      projProposalJour.LineProperty = ProjLinePropertyCode::Approved;
      projProposalJour.update();
      //For Posting Invoice Proposals
      projFormLetter = ProjFormLetter::construct(DocumentStatus::ProjectInvoice);
      projFormLetter.createParmLine(projProposalJour);
      projFormLetter.run();
      //To get latest record
      projProposalJour = projProposalJour::find(projProposalJour.ProposalId);
      info(strFmt("Invoice ProposalId: %1 \t InvoiceId:
%2",projProposalJour.ProposalId,projProposalJour.ProjInvoiceId));
    }
    ttsCommit;
  }
```