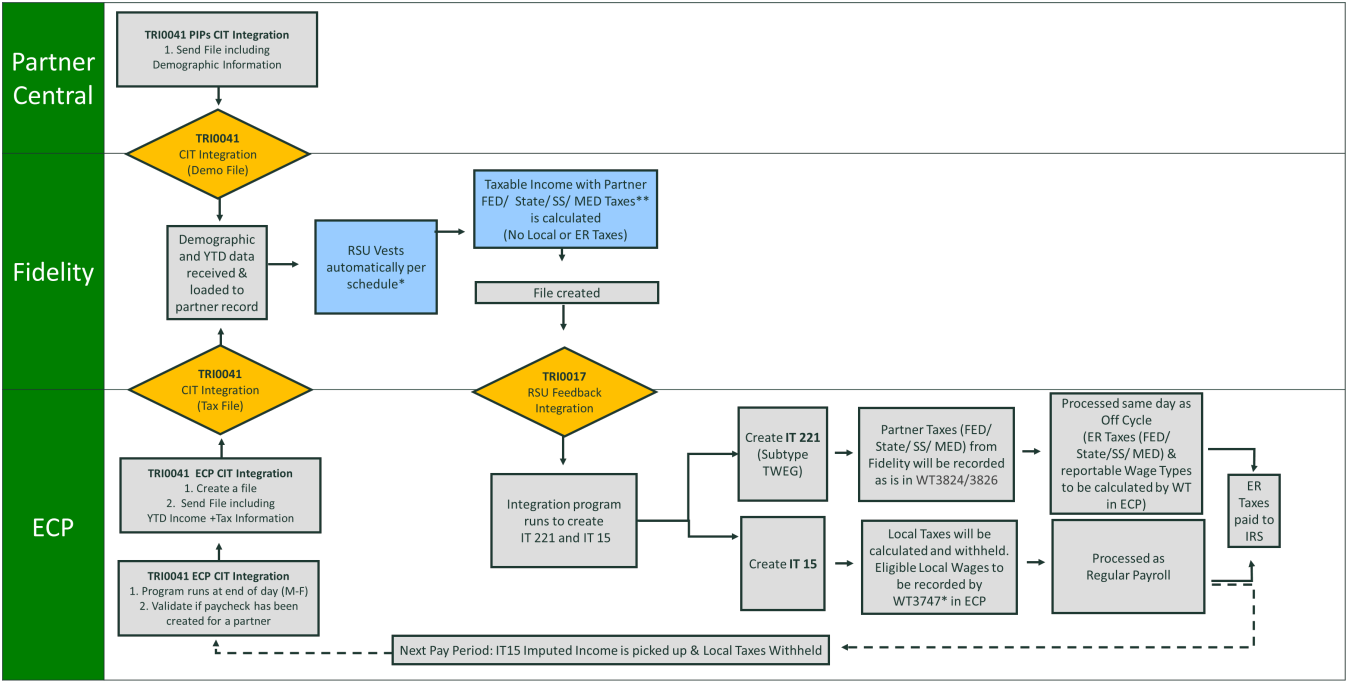# High Level Architecture Diagram and Tech Overview - TRI0041

This interface acts as the YTD data integration between ECP and Fidelity denoted by TRI0041 in the flow below.

Architecture Diagram

High level process flow for the new Tax process involving Fidelity and CIT interface is shown below

CIT Process Flow

CIT Tax File - Program flow

```mermaid
flowchart TD
    Start([Start])
    Payroll[/Payroll – Regular/Offcycle/]
    TCRT[(Payroll Cluster TCRT)]
    IE[Interface Execution:
    Read latest Payroll Results since
    previous run of the interface
    US & Canada]
    Decision{US/Canada ?}

    %% US branch
    YTD1_US{YTD1 /705 & /F05}
    TB1[Tax Bucket 1 "FED" Income Track - /S01]
    IT210[(IT 210 Exempt Status)]
    IT234[(IT 234 Exempt Status)]
    TB3[Tax Bucket 3 "MED"]
    IT0006[(IT 0006 Work Address)]
    TB4[Tax Bucket 4 <State Code>]
    TB2[Tax Bucket 2 "SSC"]

    %% Canada branch
    YTD1_CA{YTD1 /705 & /F05}
    TB5[Tax Bucket 5 "CPP"]
    T5KTC[(T5KTC Canada Tax Rates)]
    TB7[Tax Bucket 7 "OTH"]
    TB6[Tax Bucket 6 "EET"]

    CIT[CIT Tax File]
    End([End])
```

Start → Payroll – Regular/Offcycle → Payroll Cluster TCRT → Interface Execution: Read latest Payroll Results since previous run of the interface US & Canada → US/Canada ?

US branch:
- YTD1 /705 & /F05
- Tax Bucket 1 "FED" Income Track - /S01
- IT 210 Exempt Status
- IT 234 Exempt Status
- Tax Bucket 3 "MED"
- IT 0006 Work Address
- Tax Bucket 4 <State Code>
- Tax Bucket 2 "SSC"

Canada branch:
- YTD1 /705 & /F05
- Tax Bucket 5 "CPP"
- T5KTC Canada Tax Rates
- Tax Bucket 7 "OTH"
- Tax Bucket 6 "EET"

→ CIT Tax File → End