

The diagram illustrates two parallel processes for creating TDD (Test Data Definition) specifications. On the left, the process starts with 'TDD Specifications', leading to 'SDTM SAS Program' (which includes 'Import data from Spec.' and '+ Pre-Data Validation'), then to 'SDTM SAS Datasets', and finally to 'Validation Program' (which includes 'Data Validation'). On the right, the process starts with 'TDD Specifications using macro enabled template' (which includes 'In built CT & Data Validation'), leading to 'SDTM SAS Program' (which includes 'Import data from Spec.'), and then to 'SDTM SAS Datasets'. Both processes have feedback loops: 'Issues' from the 'Validation Program' on the left and 'Issues' from the 'SDTM SAS Datasets' on the right feed back into the 'TDD Specifications' on the left. Additionally, an arrow labeled 'Update the TDD Specifications' points from the 'Issues' feedback on the right to the 'TDD Specifications' on the left.

```

graph TD
    subgraph Left_Path [TDD Creation Process]
        TDD_Specs_L[TDD Specifications] --> SDTM_Program_L[SDTM SAS Program  
Import data from Spec.  
+ Pre-Data Validation]
        SDTM_Program_L --> SDTM_Datasets_L[SDTM SAS Datasets]
        SDTM_Datasets_L --> Validation_Program_L[Validation Program  
Data Validation]
    end
    subgraph Right_Path [TDD Creation Process with Macro Enabled Template]
        TDD_Specs_R[TDD Specifications using macro enabled template  
In built CT & Data Validation] --> SDTM_Program_R[SDTM SAS Program  
Import data from Spec.]
        SDTM_Program_R --> SDTM_Datasets_R[SDTM SAS Datasets]
    end
    Validation_Program_L -- Issues --> TDD_Specs_L
    SDTM_Datasets_R -- Issues --> TDD_Specs_L
    SDTM_Datasets_R -- Update the TDD Specifications --> TDD_Specs_L

```

Comparison TDD creation with and without macro enabled template