CREATE VIEW [dbo].[ShipmentHistory\_SerialNo]

AS

WITH Serials AS (

SELECT DISTINCT

o.[SERNR: Serial Number] AS [Serial Number]

FROM [SIMPServerData].[dbo].[OBJK] o

)

,FirstShip AS (

SELECT

s.[Serial Number]

,CONVERT(DATE,t.[DATUM: Date]) AS [1st Ship Date]

,ROW\_NUMBER() OVER(PARTITION BY(s.[Serial Number]) ORDER BY t.[DATUM: Date]) AS Row\_No

FROM

Serials s

JOIN [SIMPServerData].[dbo].[OBJK] o

ON s.[Serial Number] = o.[SERNR: Serial Number]

JOIN [SIMPServerData].[dbo].[SER03] t

ON o.[OBKNR: (PK) Object list number] = t.[OBKNR: (PK) Object list number]

WHERE t.[BWART: Movement Type (Inventory Management)] IN ('261','281','641')

AND t.[WERK: Plant] = '1001'

)

,ShipmentHistory AS(

SELECT DISTINCT

f.[Serial Number]

,f.[1st Ship Date]

,f.Row\_No

,t.[BWART: Movement Type (Inventory Management)] AS Movement\_Type

,CONVERT(DATE,t.[DATUM: Date]) AS [Transaction Date]

,CASE WHEN t.[BWART: Movement Type (Inventory Management)] IN ('911','Z55') THEN 'Receipt' ELSE 'Shipment' END AS Trans\_Type

FROM FirstShip f

JOIN [SIMPServerData].[dbo].[OBJK] o

ON f.[Serial Number] = o.[SERNR: Serial Number]

JOIN [SIMPServerData].[dbo].[SER03] t

ON o.[OBKNR: (PK) Object list number] = t.[OBKNR: (PK) Object list number]

WHERE t.[BWART: Movement Type (Inventory Management)] IN ('ZSV','Z55','911')

AND f.Row\_No = 1

)

,ShipmentFix AS(

SELECT DISTINCT

f.[Serial Number]

,f.[1st Ship Date]

,f.[Transaction Date]

,y.[Transaction Date] AS Date2

,f.Trans\_Type

,y.Trans\_Type AS Trans\_Type2

,f.Movement\_Type

,DATEDIFF(DAY,f.[Transaction Date],y.[Transaction Date]) AS DateDiffer

FROM ShipmentHistory f

JOIN ShipmentHistory y

ON f.[Serial Number] = y.[Serial Number]

)

,MiniBoss AS (

SELECT

f.[Serial Number]

,f.[1st Ship Date]

,f.[Transaction Date]

,f.Date2

,f.DateDiffer

,f.Trans\_Type

,f.Trans\_Type2

,f.Movement\_Type

,CASE

WHEN f.Movement\_Type = '911' AND f.Trans\_Type2 = 'Receipt' AND f.DateDiffer IN (0,-1,-2,-3,-4,-5,-6,-7)

THEN 'Yes' ELSE 'No' END AS CheckPlz

FROM ShipmentFix f

)

, BossBattle AS (

SELECT DISTINCT

f.[Serial Number]

,f.[1st Ship Date]

,f.[Transaction Date]

,f.Trans\_Type

FROM MiniBoss f

WHERE f.Checkplz = 'No'

)

, Boss2ndLife AS (

SELECT

f.[Serial Number]

,f.[1st Ship Date]

,f.[Transaction Date]

,f.Trans\_Type

,ROW\_NUMBER() OVER(PARTITION BY(f.[Serial Number]) ORDER BY f.[Transaction Date]) AS Row\_No

FROM BossBattle f

)

,

FinalStage AS(

SELECT

s.[Serial Number]

,s.[1st Ship Date]

,CASE WHEN s.Row\_No = 1 THEN s.[Transaction Date] ELSE NULL END AS [1st Receipt Date]

,CASE WHEN s.Row\_No = 2 THEN s.[Transaction Date] ELSE NULL END AS [2nd Shipment Date]

,CASE WHEN s.Row\_No = 3 THEN s.[Transaction Date] ELSE NULL END AS [2nd Receipt Date]

,CASE WHEN s.Row\_No = 4 THEN s.[Transaction Date] ELSE NULL END AS [3rd Shipment Date]

,CASE WHEN s.Row\_No = 5 THEN s.[Transaction Date] ELSE NULL END AS [3rd Receipt Date]

,CASE WHEN s.Row\_No = 6 THEN s.[Transaction Date] ELSE NULL END AS [4th Shipment Date]

,CASE WHEN s.Row\_No = 7 THEN s.[Transaction Date] ELSE NULL END AS [4th Receipt Date]

,CASE WHEN s.Row\_No = 8 THEN s.[Transaction Date] ELSE NULL END AS [5th Shipment Date]

,CASE WHEN s.Row\_No = 9 THEN s.[Transaction Date] ELSE NULL END AS [5th Receipt Date]

,CASE WHEN s.Row\_No = 10 THEN s.[Transaction Date] ELSE NULL END AS [6th Shipment Date]

,CASE WHEN s.Row\_No = 11 THEN s.[Transaction Date] ELSE NULL END AS [6th Receipt Date]

,CASE WHEN s.Row\_No = 12 THEN s.[Transaction Date] ELSE NULL END AS [7th Shipment Date]

,CASE WHEN s.Row\_No = 13 THEN s.[Transaction Date] ELSE NULL END AS [7th Receipt Date]

FROM Boss2ndLife s

)

SELECT

f.[Serial Number]

,MAX(f.[1st Ship Date]) AS [1st Ship Date]

,MAX(f.[1st Receipt Date]) AS [1st Receipt Date]

,MAX(f.[2nd Shipment Date]) AS [2nd Shipment Date]

,MAX(f.[2nd Receipt Date]) AS [2nd Receipt Date]

,MAX(f.[3rd Shipment Date]) AS [3rd Shipment Date]

,MAX(f.[3rd Receipt Date]) AS [3rd Receipt Date]

,MAX(f.[4th Shipment Date]) AS [4th Shipment Date]

,MAX(f.[4th Receipt Date]) AS [4th Receipt Date]

,MAX(f.[5th Shipment Date]) AS [5th Shipment Date]

,MAX(f.[5th Receipt Date]) AS [5th Receipt Date]

,MAX(f.[6th Shipment Date]) AS [6th Shipment Date]

,MAX(f.[6th Receipt Date]) AS [6th Receipt Date]

,MAX(f.[7th Shipment Date]) AS [7th Shipment Date]

,MAX(f.[7th Receipt Date]) AS [7th Receipt Date]

FROM FinalStage f

GROUP BY

f.[Serial Number]