

```
1 SystemComponentArchitecture SystemC_TS
2 {
3   ComponentInstance C instantiates ComponentC
4   {
5     RequiredService Push_Coordinate3D_Input_Port
6     RequiredService Send_Coordinate2D_Output_Port
7     RequiredService Query_ValidCoordinate2D_Request_Port
8     ProvidedService Query_ValidCoordinate2D_Answer_Port
9   }
10  ComponentInstance C_TS instantiates ComponentC_TS
11  {
12    RequiredService Push_Coordinate3D_Input_Port_sim
13    RequiredService Send_Coordinate2D_Output_Port_sim
14    RequiredService Query_ValidCoordinate2D_Answer_Port_ts
15    RequiredService Query_ValidCoordinate2D_Request_Port_sim
16    ProvidedService Push_Coordinate3D_Input_Port_ts
17    ProvidedService Send_Coordinate2D_Output_Port_ts
18    ProvidedService Query_ValidCoordinate2D_Answer_Port_sim
19    ProvidedService Query_ValidCoordinate2D_Request_Port_ts
20  }
21  Connection C.Send_Coordinate2D_Output_Port -> C_TS.Send_Coordinate2D_Output_Port_ts
22  Connection C_TS.Query_ValidCoordinate2D_Answer_Port_ts -> C.Query_ValidCoordinate2D_Answer_Port
23  Connection C.Push_Coordinate3D_Input_Port -> C_TS.Push_Coordinate3D_Input_Port_ts
24  Connection C.Query_ValidCoordinate2D_Request_Port -> C_TS.Query_ValidCoordinate2D_Request_Port_ts
25 }
```