

# TDR plan for cavity integration

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## Issues of TDR writing

Need clear definition of

What is the baseline design, what is the plug-compatible design

(1) Input coupler

TTF-III coupler : Baseline Design

KEK coupler : Plug-compatible design

(2) Tuner

blade tuner : ???

slide-jack tuner : ???

(motor inside/outside)

(3) Magnetic shield

outside of He vessel : Baseline Design

inside of He vessel : Plug-compatible design

## TDR chapter index

(1) Input coupler

(2) Tuner

(3) He vessel and HPV-code

(4) Magnetic shield

(5) Integration assembly procedure

(6) Instrumentation and control for cavity system  
(incl. LFD compensation)

(7) Plug-compatibility concept for cavity integration

(8) Plug-compatible design

Required description :

specification table

drawings

fabrication

post-process (for vacuum, for RF, for heat treatment, etc. )

assembly procedure

test procedure

operation procedure

Required work for :

cost estimation according to the design description

End