

Target Module with Target Check		
Document-75583	Release No. 1	Release Date.: 2013/12/11

4.1 **TM3/4** FEBIAD with Target and No External Connections

Shunts installed and tightened E-F-G-H-T-J-RFQ(H)	
FEBIAD coil shunts removed P-Q-R-U	

	Ohm Meter Check						
	Target (ABCD)	Einzel Lens (Y)	60kV Com (T)	Chassis	EE (I)		
Magnet Coil (U, Q)	OL Infinite	OL Infinite	OL Infinite	OL Infinite	OL Infinite		
Anode (H)	OL Infinite	OL Infinite	OL Infinite	OL Infinite	OL Infinite		
60kV Common (T)	OL Infinite	OL Infinite					
Chassis	OL Infinite	OL Infinite				OL Infinite	
EE (I)	OL Infinite	OL Infinite				OL Infinite	OL Infinite
Einzel Lens (Y)	OL Infinite						

	Megger Check (all @ 500V unless otherwise noted)				
	Target (ABCD)	Einzel Lens (Y)	60kV Com (T)	Chassis	EE (I)
Anode (H)	OL Infinite	OL Infinite	OL Infinite	OL Infinite	OL Infinite
60kV Common (T)	360M Infinite	OL Infinite			
Chassis	314M Infinite @ 1000V	OL Infinite @ 1000V			
EE (I)	OL Infinite	OL Infinite	OL Infinite	OL Infinite	
Einzel Lens (Y)	OL Infinite				

Conductance Check [mΩ]						
A - B	A - C	A - D	B - C	B - D	C - D	Q-U
5.228	5.334	4.704	4.938	4.320	4.347	5.145
4 - 5.7	5 - 6.8	4 - 5.3	5 - 6.8	4 - 5.3	4 - 5.5	4 - 5

Backg. leak rate:		HS leak rate:	
[atm-cc/s]	< 5E-9	[atm-cc/s]	< Backg. leak rate

Target: SIL #30	Date: June 26 2014
Location: SHC CS SHCpost	Signature: T. CAVE