

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

*Tim 2*

#### 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 <u>removed</u> P-Q-R-U	✓

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

Megger Check (all @ 500V unless otherwise noted)					
	Target (ABCD)	Einzel Lens (Y)	60kV Com (T)	Chassis	EE (I)
Anode (H)	<i>464 K</i>	<i>OL</i>	<i>5.16 M</i>	<i>OL</i>	<i>OL</i>
	Infinite	Infinite	Infinite	Infinite	Infinite
60kV Common (T)	<i>467 K</i>	<i>OL</i>			
	Infinite	Infinite			
Chassis	<i>792 M</i>	<i>OL</i>	<i>914 M</i>		
	Infinite @ 1000V	Infinite @ 1000V	Infinite <i>1000V</i>		
EE (I)	<i>OL</i>	<i>OL</i>	<i>OL</i>	<i>OL</i>	
	Infinite	Infinite	Infinite	Infinite	
Einzel Lens (Y)	<i>OL</i>				
	Infinite				

Conductance Check [mΩ]						
A - B	A - C	A - D	B - C	B - D	C - D	Q-U
<i>5.551</i>	<i>5.663</i>	<i>5.107</i>	<i>5.336</i>	<i>4.768</i>	<i>4.837</i>	<i>5.469</i>
4 - 5.7	5 - 6.8	4 - 5.3	5 - 6.8	4 - 5.3	4 - 5.5	4 - 5

Backg. leak rate:	<i>0.0 x 10<sup>-9</sup></i>	HS leak rate:	<i>0.0 x 10<sup>-9</sup></i>
[atm-cc/s]	< 5E-9	[atm-cc/s]	< Backg. leak rate

Target: <i>SIC #35</i>	Date: <i>October 24<sup>th</sup> 2016</i>
Location: <i>SFC CS SHCpost</i>	Signature: <i>T CAVE</i>

*D WANG*