Currently Functional

H2 SUS ITMY M0

EUL2OSI		COILOUTF					
	L	Т	v	R	P	Y	Gain
F1					-		+
F2	-				+	+	+
F3	-				+	-	- X
LF			-	I			-
RT			-	+			+
SD		-					-

Conclusion: F2 and F3 Magnets are flipped on installed magnets (though compensated for with COILOUTF gains)

ノノノノノノ

H2 SUS ITMY R0

EUL2OS	EM Mat	rix					COILOUTF
	L	Т	v	R	Р	Y	Gain
F1					+		+
F2	+				-	-	+
F3	+				-	+	-
LF			-	-			+
RT			-	+			-
SD		+					-
					/	/	

Conclusion: all clear!

X1 SUS QUAD03 M0



Conclusion: all clear! (accounting for X1 Test Stand Elec. Gain of -1, properly compensated in the COILOUTF gain)

X1 SUS QUAD03 R0

	COILOUTF						
	L	Т	v	R	Р	Y	Gain
E 1					–		

Ideal (as per T1200015)

	L	т	v	R	Р	Y	COILOUTF Gain
F1					-		+
F2	-				+	+	-
F3	-				+	-	+
LF			-	_			-
RT			-	+			+
SD		I					-

	1			1			COILOUTF
	L	Т	v	R	P	Y	Gain
F1					+		+
F2	+				-	-	+
F3	+				-	+	-
LF			-	-			+
RT			_	+			_
SD		+					_

							COILOUTF
	L	Т	v	R	P	Y	Gain
F1					I		+
F2	-				+	+	-
F3	-				+	-	+
LF			I	-			-
RT			-	+			+
SD		-					-
SD		-					-

	L	Т	v	R	P	Y	COILOUTF Gain
F1					+		+
F2	+				-	-	+
F3	+				-	+	-
LF			-	-			+
RT			-	+			-
SD		+					-

SD		+					+
RT			-	+			+
LF			_	-			_
F3	+				_	+	+
F2	+				-	-	-
r I					•		_

Conclusion: all clear! (accounting for X1 QUAD Test Stand Elec. Gain of -1, properly compensated in the COILOUTF gain)

H2 SUS FMY M1

H2 5		COILOUTF					
	L	Т	v	R	Р	Y	Gain
F1					-		-
F2	-				+	+	-
F3	-				+	-	+
LF			-	-			-
RT			-	+			+
SD		-					+

Conclusions: Transformation Matrices incorrect (means using a -L, +T, +V, +R, -P, -Y coordinate system) AND overall minus sign on magnets (N mistaken for S, compensated for in COILOUTF gain)

X2 SUS BSFM06 M1

				-	. <u> </u>	i	COILOUTF
	L	Т	v	R	Р	Y	Gain
F1					-		-
F2	-				+	+	+
F3	-				+	-	- 🗙
LF			-	-			-
RT			-	+			+
SD		-					+
	X				X	X	
	- 				- -	• •	

Conclusions: Transformation Matrices incorrect AND F2 and F3 Magnets are flipped on installed magnets (accounting for X2 QUAD Test Stand Elec. Gain of -1, properly compensated in the COILOUTF gain)

X2 SUS PR3 M1

EUL2OS	EUL2OSEM Matrix								
	L	Т	v	R	P	Y	Gain		
T1			-	I			+		
т2			_	+	+		+		
Т3			-	+	-		-		
LF	+					-	-		
RT	+					+	+		
SD		-					+		

	L	Т	v	R	P	Y	COILOUTF Gain
F1					+		+
F2	+				-	-	+
F3	+				-	+	-
LF			-	-			+
RT			-	+			-
SD		-					-

	i						COILOUTF
	L	T	v	R	Р	Y	Gain
F1					+		+
F2	+				-	-	+
F3	+				-	+	-
LF			-	-			+
RT			-	+			-
SD		-					-

				-	-		COILOUTF
	L	Т	v	R	Р	Y	Gain
т1			I	-			-
т2			-	+	+		-
Т3			_	+	_		+
LF	+					-	+
RT	+					+	-
SD		-					-



Conclusion: Over all Minus Sign on installed Magnets (N mistaken for S)