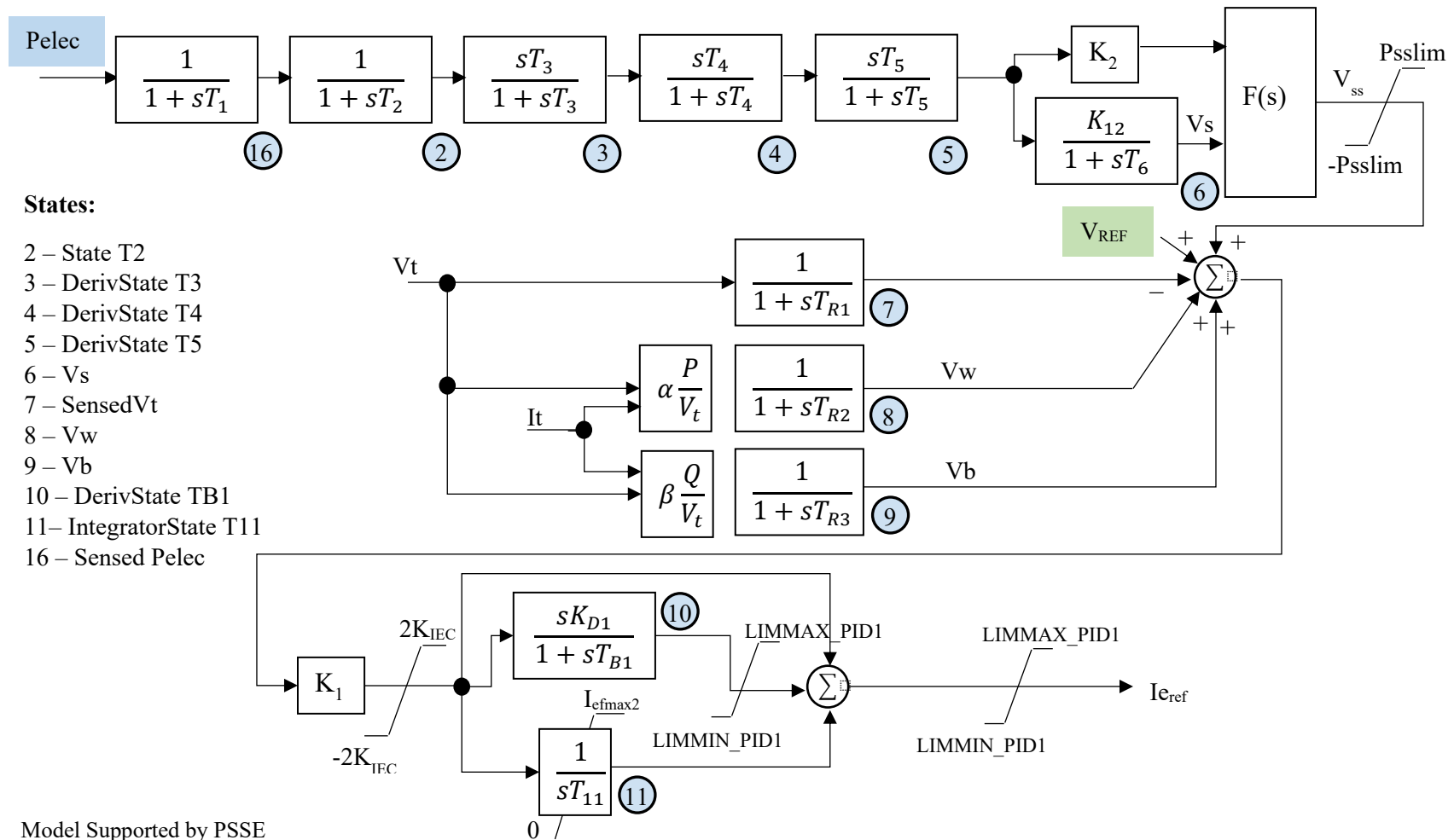


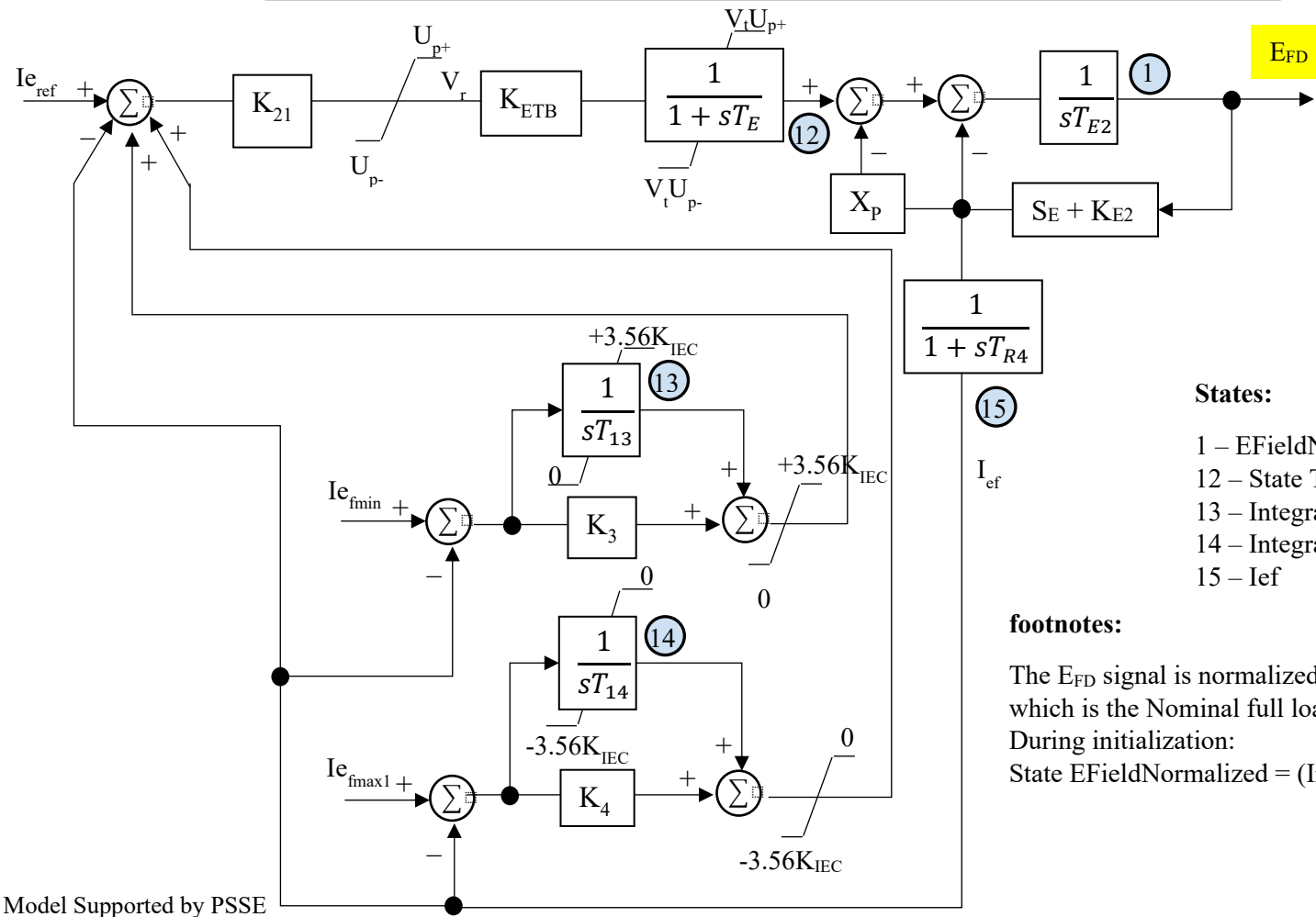
Exciter CELIN

***Exciter CELIN
ELIN Excitation System***



Model Supported by PSSE

Exciter CELIN ELIN Excitation System



States:

- 1 – EFieldNormalized
- 12 – State TE
- 13 – IntegratorState T13
- 14 – IntegratorState T14
- 15 – Ief

footnotes:

The E_{FD} signal is normalized by the parameter NomEFD which is the Nominal full load EFD in IEEE PU.

During initialization:

State EFieldNormalized = (Initial E_{FD} from Machine)/NomEFD

Parameters:

TR1	Vt filter time constant, sec
TR2	Vw filter time constant, sec
TR3	Vb filter time constant, sec
alpha	alpha
Beta	Beta
TE2	Exciter field time constant, sec
NomEFD	EFD normalization parameter, pu
KE2	Exciter field resistance constant, pu
TR4	Ief filter time constant, sec
T1	Filter time constant 1, sec
T2	Filter time constant 2, sec
T3	Derivative time constant 3, sec
T4	Derivative time constant 4, sec
T5	Derivative time constant 5, sec
T6	Vs time constant, sec
K12	Vs gain
K2	Gain K2
p_PSS	p_PSS
A_PSS	A_PSS
Psslim	Vss limit
K1	Gain 1
KIEC	KIEC limit
KD1	Derivative D1 parameter
TB1	Derivative D1 time constant, sec
T11	Integrator 11 time constant, sec
LIMMAX_PID1	PID max limit
LIMMIN_PID1	PID min limit
K21	Gain 21
Spare	Spare
Up+	Up+ max limit
Up-	Up- min limit
K3	Gain 3
T13	Integrator 12 time constant, sec
K4	Gain 4
T14	Integrator 14 time constat, sec
KETB	Vr gain
TE	Vr filter time constant, sec
Xp	Xp

lefmax1	lef max1
lefmax2	lef max2
lefmin	lef min
E1	Field voltage value, 1
SE1	Saturation factor at E1
E2	Field voltage value, 2
SE2	Saturation factor at E2