What is the use of Flag-rec in disturbance recording in Sepam series 60 and 80?

There are some signals and outputs for protection that may need to be recorded. As an illustration some data such as protection drop out , distinguishing fault on each phase , protection being inhibited , protection puck up. Just add this information we have a general pick up signal which is recorded by default but it is a general pick up. But if users need to know pick of each protection separately they can assign each pick up to a Falg-rec and record it independently. Figure No.1 show an example of protection 50/51 in Sepam series 80.

Inputs				
Designation	**Syntax**	**Equations**	**Logipam**	
Protection reset	P50/51_x_101	■	■	
Protection inhibition	P50/51_x_113	■	■	
Outputs				
Designation	**Syntax**	**Equations**	**Logipam**	**Matrix**
Instantaneous output (pick-up)	P50/51_x_1	■	■	
Delayed output	P50/51_x_3	■	■	■
Drop out	P50/51_x_4	■	■	
Phase 1 fault	P50/51_x_7	■	■	
Phase 2 fault	P50/51_x_8	■	■	
Phase 3 fault	P50/51_x_9	■	■	
Protection inhibited	P50/51_x_16	■	■	

Figure No.1

How many Falg-recs are available? How we could assign data to these Falg-recs?

Sepam Sereis	No. Falg-rec availabe	configurable by
60 & 80*	1 (V_FLAGREC)	logic equation editor
80	15(V_FLAGREC, V_FLAGREC2 to V_FLAGREC15)	Logipam

*As you see in Sepam series 80 V_FLAGREC , could be configured in both ways. But for other Falg-recs from 2 to 15 there is just one way by Logipam. Moreover Sepam series 60 just has one Falg-rec and not 15.Figure No.2 show a simple example hot to assign these data to a Falg-rec in Sepam series 80:

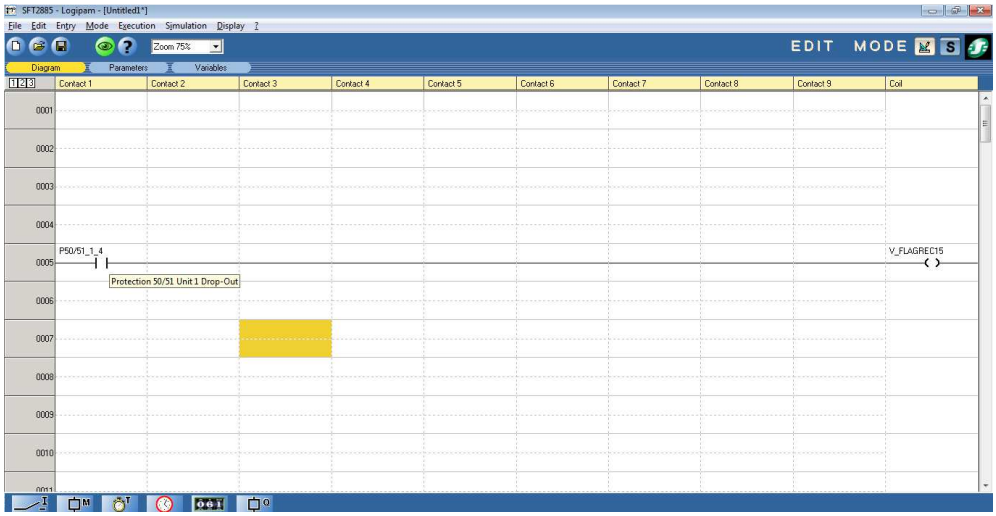

Figure No.2 AEDL3