

3.6 EGPWS (ENHANCED GROUND PROXIMITY WARNING SYSTEM)

3.6.1 EGPWS FUNCTION

EGPWS is a terrain awareness and alerting system. It uses aircraft inputs including geographic position, attitude, airspeed and glideslope combined with internal terrain, obstacle, and airport databases to predict a potential conflict between an aircraft's flight path and terrain or an obstacle. This function is only available when a KAC 502 EGPWS module is installed.

3.6.2 EGPWS INTERFACE

Refer to [figure 3-7](#) for specific interconnection information.

3.6.3 PART NUMBER INFORMATION

The following are part number families of the EGPWS computers that will interface with the KMD 540 using the KAC 502 EGPWS Module. Note that the minimum EGPWS Software versions (the last six digits) required for compatibility with KMD550/850 installations are as follows:

965-0976-XXX-212-212 Mark V EGPWC

965-0976-XXX-212-212 Mark V EGPWC

965-0976-XXX-212-212 Mark V EGPWC

965-1076-XXX-212-212 Mark VII EGPWC

965-1076-XXX-212-212 Mark VII EGPWC

965-1076-XXX-212-212 Mark VII EGPWC

965-1176-005 Mark VI EGPWC

965-1186-005 Mark VI EGPWC

965-1206-005 Mark VIII EGPWC

965-1216-005 Mark VIII EGPWC

965-1227-0XX Mark XXI EGPWC

965-1590-006 Mark XXII EGPWC

All versions of the KGP 560 EGPWS

All versions of the KMH 880 EGPWS

3.6.4 ARINC 429 Control Information

Label 017 (Discretes Data) is added to the ARINC 429 EGPWS output of the KMD 550/850 to implement the new EGPWS control functions.

Currently, the KGP-560, MK XXI and KMH-880 EGPWS units will accept label 017 from the KMD 550/850 starting with the 003 version of the EGPWS software (refer to the following table).