




ATTACHMENT M
FedEx Threat and Error Management Card

(2 pages)


















THREAT & ERROR MANAGEMENT

With the presence of threats to safety flight crews shall conduct a more comprehensive briefing, ensuring each crewmember has a "Shared Mental Model" of the gameplan, and possible contingencies. The greater the number of threats to safety, the greater the potential for human error, and operational risk.

Data obtained from Flight Safety Foundation
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Significant Threat - (S) Horn			
Moderate Threat - (M) Bell			
Potential Threat - (P) Warning Light			

EXTERNAL THREATS

AIRPORT / ATC THREATS	S	M	P
No approach radar or less than full ATC service - e.g. TWR closed			
No glide path guidance - e.g., ILS / VASI / PAPI			
Controller's primary language other than English			
Possible late runway change			
Special Ops / High Density Airport (LAX/ORD/EWR/CDG/MEM, etc.)			
No published SID or STAR			
Runway or approach lights out of service			
EXPECTED APPROACH THREATS			
Non-Precision - especially with step-down or circling procedure			
Visual approach during darkness			
ENVIRONMENTAL THREATS			
Night and / or IMC			
Mountainous terrain in the departure / arrival area			
Visual illusions - e.g., "black hole," sloping terrain, wet runway			
Wind conditions - e.g., strong crosswinds, gusts, tailwind, wind shear			
Runway conditions - e.g., ice, slush, snow, water			
AIRCRAFT EQUIPMENT THREATS			
No Radar Altimeter / GPWS			
No Flight Director			
No TCAS			

THREAT / ERROR
MANAGEMENT

INTERNAL THREATS

CREW FACTORS	S	M	P
First Day / First Leg as a crew			
Any crewmember awake 18+ hrs at departure or arrival			
Any crewmember unfamiliar with departure or arrival airport			
Any crewmember less than 100 hrs in seat or type			

WHICH "BOX" ARE YOU IN?

