



COMPETENCY BASED COURSE DESIGN

EASA WORKSHOP CBTA – COLOGNE 22.05.2019

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COMPETENCY BASED COURSE DESIGN - LUFTHANSA

1

2

3

1



2



Lufthansa Cargo



A320

A340

MD 11

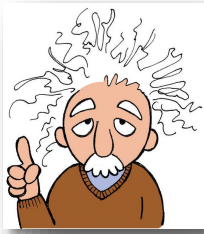
B747

B767

A380







DATA COLLECTION





COMPETENCY BASED COURSE DESIGN



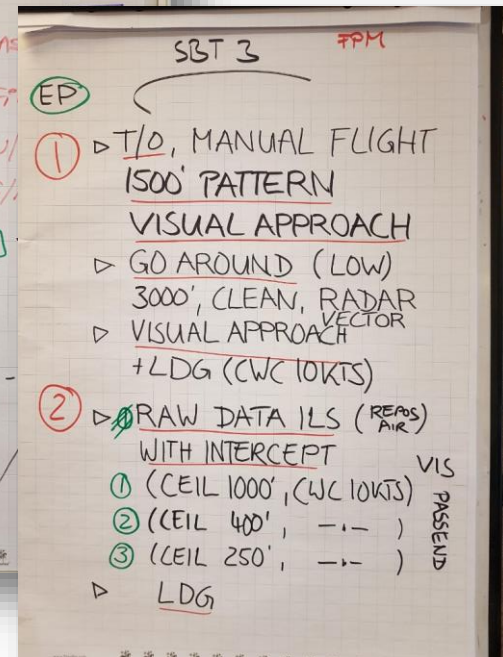
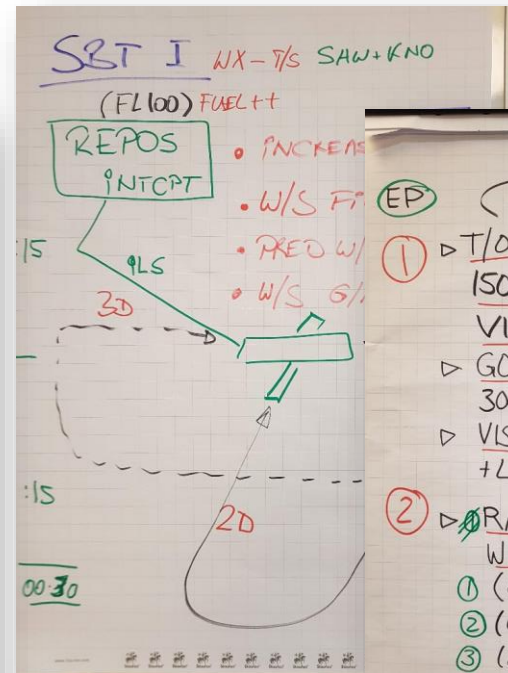
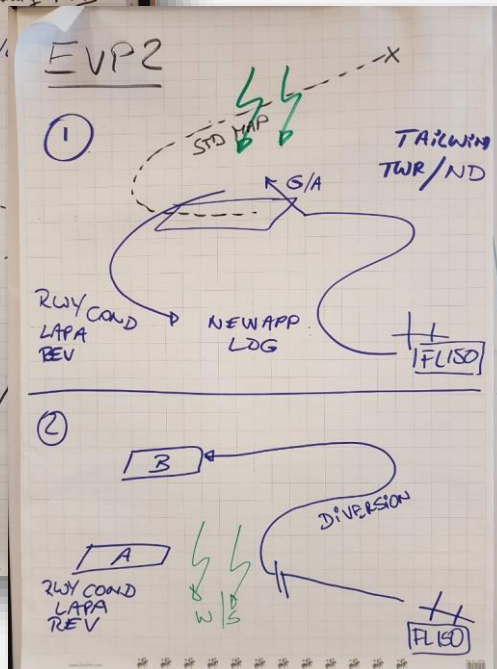
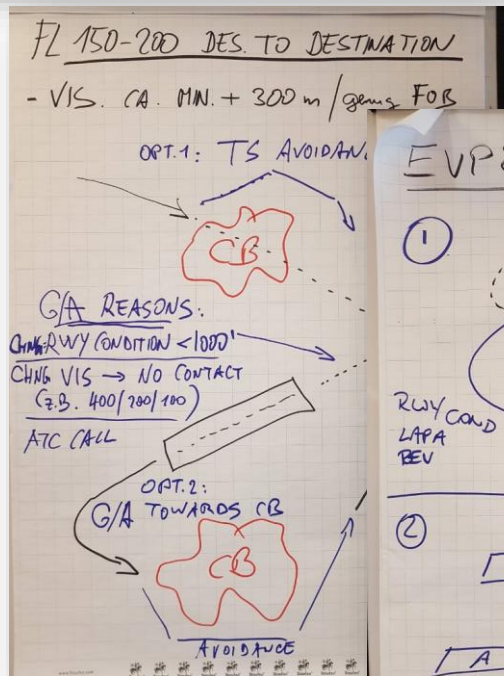
MATRIX-DESIGN

| | | | | |
|--------------|----------------------|----|-----|-----|
| Competencies | Year 1 | | | |
| | Modul 2 (8:00 h FFS) | | | |
| | EVAL | MV | SBT | ISI |
| | APK | | | |
| | | | | |
| | KNO | | | |
| | PSD | | | |
| | SAW | | | |

| | |
|-----------------|---|
| Training Topics | Rejected T/O |
| | Failure of critical engine between V1 & V2 (until AP ON) |
| | Engine-out approach & goaround |
| | Go-around, all engines operative (high energy) |
| | With a critical engine failed, normal landing |
| | Adverse Weather |
| | covered by Competency FPA |
| | Competencies non-technical (CRM) |
| | covered by Competency APK |
| | Go around management |
| | covered by Competency FPM |
| | ISI Monitoring, cross checking, error management, mismanaged aircraft state |
| | Unstable approach |



SCENARIO-DESIGN





DESIGN MANUAL



Lufthansa

Pilot Training Manual EBT Module 2 Design Manual



Focus Competency Matrix

| | | EVP | | MVP | SBT 1 | | | SBT 2 | | | SBT 3 | | | ISI |
|---|--|-----|---|-----|-------|---|---|-------|---|---|-------|---|---|-----|
| | | 1 | 2 | | a | b | c | a | b | c | a | b | c | |
| 1 | Flight Path Management, manual (FPM) | | | X | | | | | | | X | | | X |
| 2 | Flight Path Management, automation (FPA) | | | X | | | | | | | | | | + |
| 3 | Knowledge (KNO) | X | X | | + | | | X | X | X | | | | |
| 4 | Application of Procedures (APK) | | | X | X | | | | | | + | | | X |
| 5 | Communication (COM) | | | | + | + | + | | | | + | + | | |
| 6 | Leadership and Teamwork (LTW) | | | | + | + | | | | | X | + | | |
| 7 | Problem Solving & Decision Making (PSD) | X | X | | | | X | X | X | X | + | | | |
| 8 | Situation Awareness (SAW) | X | X | | | | | X | X | X | | | | X |
| 9 | Workload Management (WLM) | | | | X | | | | | | | X | | |

Note: "X" indicates the primary, "+" the secondary focus competencies.





DESIGN MANUAL



Lufthansa

Pilot Training Manual EBT Module 2 Design Manual

1.2 EVP 2

1.2.1 Scenario

The scenario commences during descent towards destination YYY. PF is initially the PM of EVP 1. As the flight is performed under line operations criteria, CM1 should take the role of PF, if deemed necessary according OM-A (very demanding approach or landing).

No major system malfunctions are present, except when required in order to facilitate the scenario. Due to the actual destination weather, thunderstorms must be circumnavigated, a go-around is not unlikely.

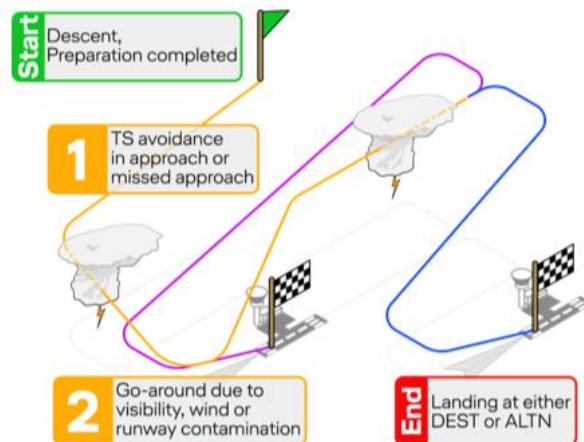
The scenario ends after landing at either destination or alternate.

1.2.2 Training Focus

| | |
|--------------------------------|---|
| Competencies | <ul style="list-style-type: none"> • Knowledge (KNO) • Situational Awareness (SAW) • Problem Solving & Decision Making (PSD) |
| Assessment and Training Topics | <ul style="list-style-type: none"> • Adverse weather (thunderstorm avoidance) • Runway or taxiway condition (contaminated RWY) • Go-around management • Approach, visibility close to minimum |
| Approach Types | <ul style="list-style-type: none"> • 3D OPS no Autoland (PA) |
| Aircraft type specific items | - |

3.2.3 Details EVP 2

Focus Competencies: SAW, PSD, KNO



Focus Competencies: SAW, PSD, KNO

For short-range flights, EVP 1 may be the continuation of the previous flight (EVP 1) without a reposition. In case of reposition, the Instructor will calculate the remaining fuel from EVP 1.

