**Offline Mission Planner – Comparison of QGC Missions**

**Raw Mission Input (Example of ‘Coarse’ Input to Offline Planner)**

MSN #:

LZ: Clear (Rwy 25#s)

Plan: CCT Rwy 25, ‘Std CCT’ with linear descent & decal

Note: Geo Fences updated for corridor expressed in the Accept Radius

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| --- | --- | --- | --- |
| **QGC WP** | **Accept Rad** | **EP Hgt**  **(MSL)** | **EP Speed / Climb / Turn** |
| T | 30 | 420 | Hdg: 237T |
| 3 | 30 | 420 | Accel to 50 |
| 5 | 150 | 870 | Upwind-Crosswind Turn Pt |
| 6 | 150 | 870 | Crosswind-Downwind Turn Pt |
| 7 | 150 | 870 | Downwind-Base Turn Pt |
| 8 | 150 | 870 | Base-Final Turn Pt  Decel to 0 (at Landing) |
| L | 30 | 420 | 50’ AGL Hover  Hdg: 207T |

**Human-Offline Planner**

MSN #: **MsnOL9-2d**

LZ: Clear (Rwy 25#s)

Plan: CCT Rwy 25, ‘Std CCT’ with linear descent & decel

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| **QGC WP** | **Accept Rad** | **EP Hgt**  **(MSL)** | **EP Speed / Climb / Turn** |
| T | 30 | 420 | Hdg 237T |
| 3 | 30 | 420 | Accel to 50 (2kt/s) |
| 5 | 35 | 420 | Maint 50, Climb 600 fpm |
| 6 | 50 | 870 | Maint 50 |
| 7 | 220 | 870 | Maint 50 (20 AOB + wind) |
| 8 | 220 | 870 | Maint 50 (20 AOB + wind) |
| 9 | 280 | 870 | Maint 50 (20 AOB + wind)  Descend ~ 120 ft |
| 10 | 280 | 750 | Maint 50 (20 AOB + wind)  Descend ~ 6deg slope  Linear Decel to 0 |
| L | 30 | 420 | 50’ AGL Hover  207T Hdg (Est Wind)  Achieve LAND Crit |

**Offline Planner**

MSN #:

LZ: Clear (Rwy 25#s)

Plan: CCT Rwy 25,

|  |  |  |  |
| --- | --- | --- | --- |
| **QGC WP** | **Accept Rad** | **EP Hgt**  **(MSL)** | **EP Speed / Climb / Turn** |
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