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|   |                           | MEMO CONCERNS  |  |  | FOR YOUR ATTENTION           | COMMENTS ARE INVITED | FOR YOUR INFORMATION | AS AGREED |  |
|   |                           | <b>Comparison of INM profiles and measured flight profiles at Gardermoen</b> |  |  |                              |                      |                      |           |  |
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## Introduction

For a total of 155 flights, flight record data were collected as part of the validation project at Gardermoen airport. In addition, data from the radar tracking system were available. The main project report describes the extraction of the data.

Based on these data sources, flight profiles have been extracted for the 155 flights. This memo shows the measured flight profiles compared to the standard NORTIM profiles for the corresponding aircraft type and operation. For aircraft types where no NORTIM profiles exist, these substitutions are used:

- B736                   ⇒ 737500
- B737, B738         ⇒ 737400
- MD87                ⇒ MD81
- MD90                ⇒ MD83

For the departures, the stage length has been calculated based on the ICAO code of the destination by the same procedures as is used in NORTIM. For the arrivals, a standard glide path of 3 degrees has been assumed for all flights.

The figures are listed in the order of

- Operation [landing / departure]
- Aircraft type [737400, 737500, MD81, MD82 and MD83]
- Stage length (for the departures) [1 and 2]
- Profile parameter [Height, Velocity, Thrust]

Comments on the results will be given in the main report only.

