


EASA	COMMENT RESPONSE DOCUMENT
	Special Condition Applicable to Eurocopter EC 175B on Extended Take-Off Power Duration (EP, 30 min All Engines Operating) Issue 1

Commentor: **UK CAA]**

Comment # 1 –

Topic/ Paragraph reference- proposed Special Conditions

Target.

Comment : It is not clear how the ability of the transmission to operate for periods of up to 30 minutes at maximum take-off power, or up to a cumulative time of 50 minutes per flight, is being demonstrated since there is no proposal to amend the endurance test schedules under CS 29.923. As written, CS 29.923(b) only requires application of the take-off rating for 5 minute periods in the endurance test.

Justification: Part of the justification for use of the rating is a demonstration in the endurance test that the rating can be achieved reliably and repeatedly.

Proposed Text (if applicable): Amend CS 23.923(b) under this special condition, to require a demonstration of the use of the rating for individual periods of 30 minutes and cumulative periods of up to 50 minutes.

EASA response: Comment noted. There is no need to establish a Special Condition to address the drive system endurance because the existing regulations already have provisions for addressing other aspects to be considered in dealing with this rating. As regard the ability of the transmission to operate at this rating, a CRI dealing with both the Special Conditions and other acceptable mean of compliance has been defined. In particular CS 29.927(a) provides the regulatory basis for conducting any additional dynamic, endurance, etc. investigations necessary to determine that the rotor drive mechanism is safe and in order to fulfil this requirement the endurance test has been adapted to take into account the new rating.