Human Factors for AMEs: course outline

An 8-lesson online human factors course for AMEs, technicians and AMOs. Built to the human factors content requirements of Standard 573.06(3). Self-paced on any device; lessons are completed in order, and at least 90% of each lesson video is watched before the learner can continue.

Lessons

#	Lesson	What it covers	573.06	Video	Quiz
1	**Human Performance: Why Good People Make Mistakes**	Human performance and limitations; perception, attention, memory and decision-making; SHELL and PEAR models; the 12 factors	(3)(a)	13 min	8 Qs
2	**Talk, Team, Speak Up**	Communication, team work, assertiveness: structured handover with read-back, pre-task huddle, speaking up	(3)(b)(xii), (vii), (iii)	12 min	8 Qs
3	**Body, Mind and Pressure**	Fatigue, stress, pressure: recognizing impairment, honest time estimates, organizational role	(3)(b)(i), (ii), (x)	14 min	8 Qs
4	**Eyes Open**	Complacency, distraction, awareness: fresh eyes, stop markers after interruptions, situational awareness	(3)(b)(ix), (xi), (iv)	13 min	8 Qs
5	**Set Up for Success**	Knowledge, resources, norms: closing knowledge gaps, stop and escalate, normalization of deviance	(3)(b)(vi), (v), (viii)	13 min	8 Qs
6	**Managing Error: Prevention and Containment**	Error types; layers of defence; error prevention (procedures, checklists, pause) and containment (independent inspection, tool control, walkaround)	(3)(c)	11 min	8 Qs
7	**Safety Culture, Reporting and SMS**	Safety culture, reporting and just culture; SMS; training records and update cycle	Supporting: safety culture, reporting, SMS	11 min	8 Qs
8	**Putting It Together: The Long Night**	Capstone scenario applying all 12 factors and layered defences; two investigated case studies	(3)(a), (b), (c) together	12 min	6 Qs
	Final exam	All topics. 80% (40 of 50) to pass.	all		50 Qs
	Total	8 video lessons, 8 lesson quizzes, 1 final exam		**1 h 39 min**	**112 Qs**

Video times are rounded to the nearest minute. Lesson 7 is supporting content; Lesson 8 is an integrated capstone.

Assessment

- A quiz after every lesson: 75% to pass, unlimited retakes, questions shuffled.
- 50-question final exam: 80% (40 of 50) to pass. Retakes are unlimited, with a 24-hour wait after 3 failed attempts.
- Every question is tagged to a Standard 573.06(3) item. See the separate 573.06(3) mapping table.

Certificate and records

- Certificate of completion with the learner's name, completion date, score and course version.
- Valid 3 years. Recommended: yearly refresher. The regulatory maximum update cycle is 3 years (573.06(5)); your AMO's training program governs.
- Team accounts: each completion certificate is emailed to the AMO's manager within a day. Records are available on request.
- Access: 12 months from enrolment.

How an AMO adopts it

1. Review this outline and the 573.06(3) mapping table with your quality or training manager.
2. Describe the course in the training program in your MPM.
3. Enrol your team and keep each certificate in the personnel training record.

Built to the human factors content requirements of Standard 573.06(3). AMOs adopt it through their own MPM training program. The course and its certificate are not issued by Transport Canada; your AMO remains responsible for its training program and personnel records.

Questions or records requests: AMEReady · **ameready.com** · amereadyca@gmail.com