

Examples of Inadequate Transmission

- Inadequate signal-light emitting (shape, color)
- Lack of training on pointing and calling or repetition
- One-sided transmission (too many faxes, etc.)

Examples of faulty instructions mixed

- Intentional manipulation
- Mixing of similar signs
- Mixing of similar transmission methods

(5) Instructions (light, sound or flag by voice, phone, e-mail or fax)

- (A1) The instructions are not transferred.
(Interrupted with bad circumstances/trouble in transmission/inadequate transmission)
- (A2) The instructions are delayed.
- (A3) Faulty instructions are included.

Examples of Bad Circumstances

Why the light emitted cannot be recognized:

- Low visibility from snow, rain, or fog
- Strong backlight
- Rail tracks overly curved
- Tunnel ahead
- Obstacles (such as fallen trees ahead)
- Inappropriate equipment (such as sunglasses)
- Inaudible, because of noise

Indicating Subject (Human)

(1) Not providing (no indication)

- (HC1) Considering that no indication is required
(HC2) Recognizing the indication but having forgotten it
(HC3) Thinking that the indications are given
(HC4) Overlooking the indication and feedback and executing nothing

(2) Providing causes hazard (incorrect indication, too late or too early indication)

- (HC5) Mistaking the indication
(HC6) Being delayed by having forgotten or taking time
(HC7) Misunderstanding the indication (misinterpreting)
(HC8) Giving the instructions to an incorrect person
(HC9) Executing incorrect operation with the feedback misunderstood
(HC10) Giving the instructions without confirming

Indicated Subject (Human)

(3) Omission Error

- (HP1) The instructions have been given but not accepted.
(HP2) The instructions have been given but could not be executed, because of the lack of skill.
(HP3) The feedback for the execution results has been forgotten.

(4) Commission Error

- (HP4) The instructions are executed incorrectly because of misunderstanding.
(HP5) The instructions cannot be executed as instructed or execution is delayed (inadequate circumstances, lack of skill, or ill health).
(HP6) Being delayed by having forgotten or taking time

(6) Feedback (by voice, phone, e-mail or fax)

- (F1) The feedback is not transferred.
(Interrupted with bad circumstances/trouble in transmission/inadequate transmission)
- (F2) The feedback is delayed.
- (F3) Incorrect feedback
- (F4) The feedback is missing.