

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.