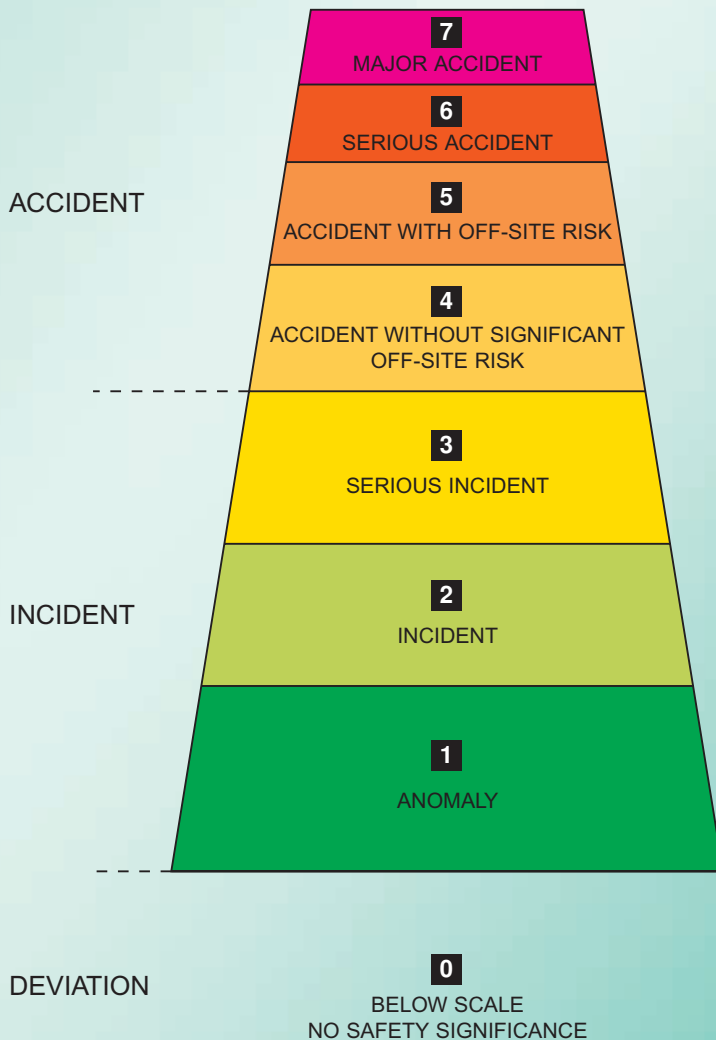# The International Nuclear Event Scale (INES) – 2001 Edition

## Corrigendum to the User's Manual
### (Read first before opening the document)

ACCIDENT

| | 7 |
| --- | --- |
| | MAJOR ACCIDENT |

| | 6 |
| --- | --- |
| | SERIOUS ACCIDENT |

| | 5 |
| --- | --- |
| | ACCIDENT WITH OFF-SITE RISK |

| | 4 |
| --- | --- |
| | ACCIDENT WITHOUT SIGNIFICANT OFF-SITE RISK |

| | 3 |
| --- | --- |
| | SERIOUS INCIDENT |

INCIDENT

| | 2 |
| --- | --- |
| | INCIDENT |

| | 1 |
| --- | --- |
| | ANOMALY |

DEVIATION

**0**
BELOW SCALE
NO SAFETY SIGNIFICANCE

JOINTLY PREPARED BY IAEA AND OECD/NEA

THE INTERNATIONAL
NUCLEAR EVENT SCALE
(INES)
USER'S MANUAL

2001 EDITION

# CORRIGENDUM

**CONTENTS**
Add      IV–3.4      Verification of rating
Change **PART V    ADDITIONAL GUIDANCE FOR DEFENCE IN DEPTH RATING**
Remove Example 20, renumber example 21–23 to 20–22

**Page 8, Sheet 1**
Change "Off-site effects" and "On-site effects" respectively to "Off-site impact" and "On-site impact"
Change "Lost source transport" to "Lost source/transport"

**Page 9, Sheet 2**
Change "Localized event like lost source" to "Localized event such as a lost source"
Change "Dose to the most exposed individual of the order of mSv?" to "Dose to the critical group of the order of a few mSv?"
Change "Dose to the most exposed individual of the order of tenths of mSv?" to "Dose to the critical group of the order of tenths of a mSv?"

**Page 22, Level 2 description**
Change "Major spread of contamination" to "Significant spread of contamination" to be consistent with the text in Figure 1.

**Page 27, add step 4:**

(4)   Verification of rating (see Section IV–3.4.)

**Page 41, add paragraph:**

**IV–3.4   Verification of rating**

Once a level has been selected, it is important to compare it with the overall definition of the three levels to confirm that the level is approriate:

level 0:   No safety significance
level 1:   Anomaly beyond the authorized operating regime
level 2:   Incidents with significant failures in safety provisions
level 3:   Near Accident — No defence in depth remaining.

**Page 44, Title**
Change "EXAMPLES TO ILLUSTRATE THE DEFENCE IN DEPTH RATING GUIDANCE" to "ADDITIONAL GUIDANCE FOR DEFENCE IN DEPTH RATING"

**Page 50, Table VI**
Change "Level 2" to "Level 1–2"

**Page 50, last line**
Replace … "coolant system and open containment)."
with … "coolant system and/or open containment)."

**Page 61, third paragraph**
Replace … "item (a)" and "item (c)"
with … "item (1)" and "item (2)"

**Page 72, Example 20**
Shall be deleted. The following examples shall be re-numbered as 20–22 instead of 21–23.

**Page 73, Example 21**
Change "$8^9$ Bq" to $8 \times$ "$10^9$ Bq"

**Page 77, RESULTS**

Change the paragraph to the following:

"The multiplying factors applicable for on-site impact are obtained by dividing the value for each radionuclide by that for [131]I. These are given in Table IX, and in rounded form in Table XI.

The calculation of the multiplying factors applicable to off-site impact is shown in Table X. The external dose per Bq·s·m$^{-3}$ (column D) is added to the dose from inhalation (column G) to give the total for the two pathways (column H). The total value for each radionuclide is divided by that for ^{131}I to give the multiplying factors listed in the final column (column I). These are given in rounded form in Table XI."

**Page 77, Footnote**

Delete the footnote – it is no longer required

**Page 80, Table X**

Number the columns from left to right A, B, C, D, E, F, G, H, I

**Page 92, third paragraph**

Replace … "as described in Section III–3.2,"
with … "as described in Section IV–3.2,"