

Page 6:

Annex 'I' change '(normative)' to '(informative)'.

Page 11:

101, Insert the following after the fourth paragraph:-

*'These rules are effective from **3 January 2012**. These rules are not applicable to installations installed prior to this date.*

*Note. It does not preclude a competent person carrying out a periodic inspection & testing of an electrical installation in a potentially explosive atmosphere from advising in a subsequent report to upgrade to these rules'.*

Page 49:

603.3.1

1. change, ... 'Annex A54C to A54G'.... change to ...'Tables A54C to A54G'...

Page 51:

604 Static Electricity, insert the following after Note 2:-

*'Note 3: Further guidance on hazards due to static electricity can be obtained from BS PD CLC/TR 50404, ELECTROSTATICS - CODE OF PRACTICE FOR THE AVOIDANCE OF HAZARDS DUE TO STATIC ELECTRICITY' which can be purchased from the NSAI'.*

Page 104:

1502.4.2.3, change 'Fig. 1802B' to 'Fig. 1502B'

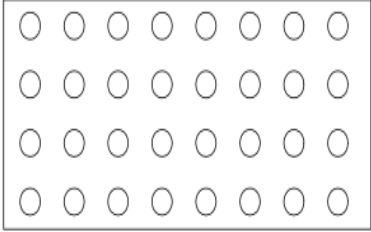
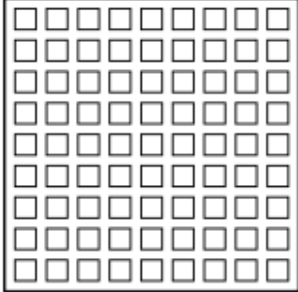
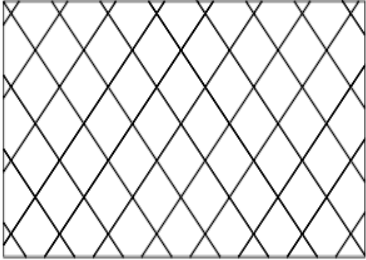
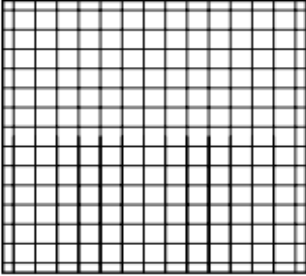
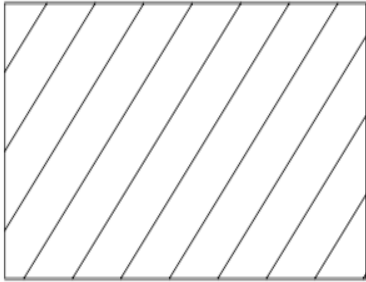
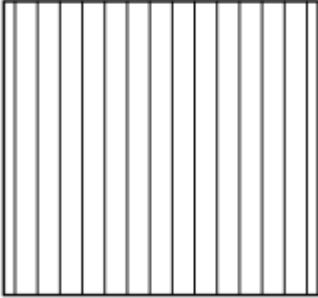
Page 130:

A.1.2.2, second line, change '1999/92/EC1' to '1999/92/EC'

Page 147:

C.3.2, change, 'The EC Directive 137' to 'EU Directive 1999/92/EC'

C.3.3 change, 'The EC Directive 137' to 'EU Directive 1999/92/EC'

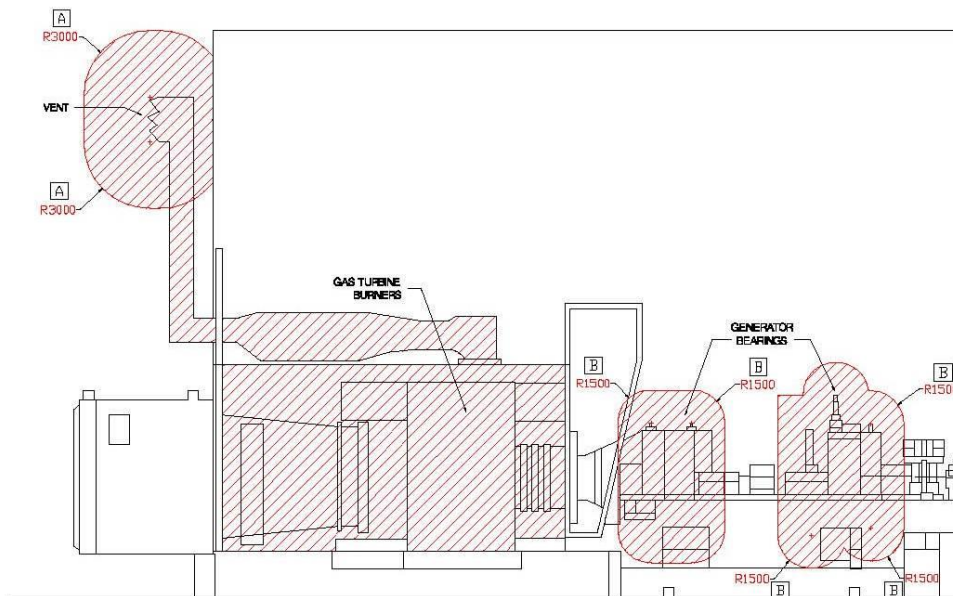
<b>Gas, Vapour &amp; Mist Atmospheres</b>		<b>Dust Atmospheres</b>	
Zone O		Zone 20	
Zone 1		Zone 21	
Zone 2		Zone 22	

Example C.6.J – Power station natural gas turbine with hydrogen cooled generator

**Power Station Natural Gas Turbine with Hydrogen Cooled Generator**

<u>Principal factors which influence the type and extent of zones</u>	
<b><u>Plant and process:</u></b>	
<b>Ventilation</b>	
Type.....	Artificial
Degree.....	Medium
Availability.....	Good
<b>Source of release</b>	<b>Grade of release</b>
Gas filter, block, shut-off valve, control valves, ..... combustion burners, relief points, connections, flanges, gaskets and other component wearing parts	Secondary
<b><u>Product:</u></b>	
Gas.....	Hydrogen (H <sub>2</sub> ) System Pressure 3 bar
Gas Density.....	Lighter than air (0.07)
Gas.....	Methane (CH <sub>4</sub> ) System Pressure 40 bar
Gas Density.....	Lighter than air (0.6)

Figure C.6.J

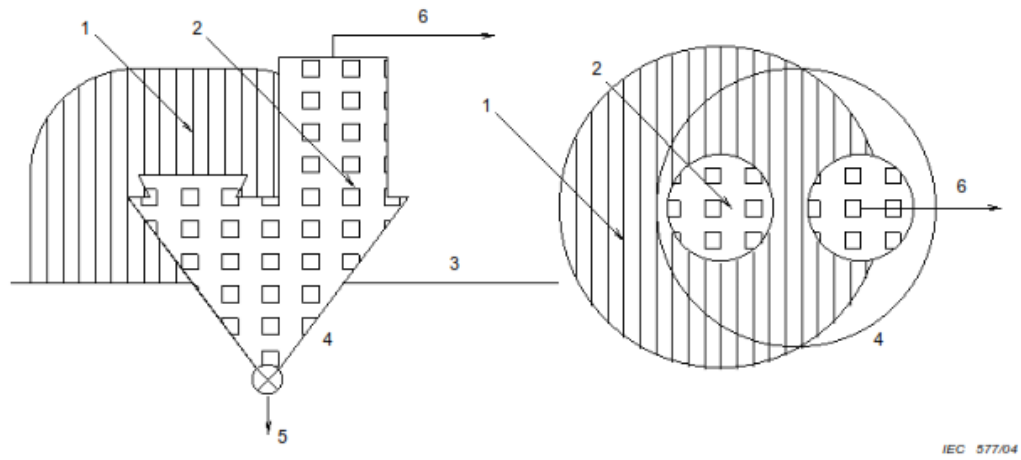


Taking into account relevant parameters, the following are typical values which will be estimated for this particular example:

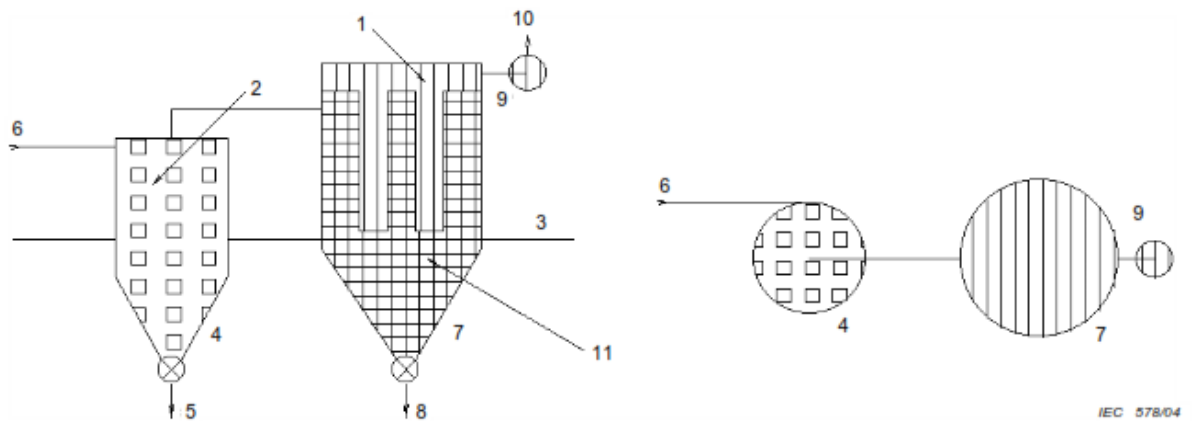
A = 3 meters in all directions from source of release (excludes trip conditions)

B = 1.5 meters in all directions from source of release

Replace Figure C.6.M drawing with drawing below



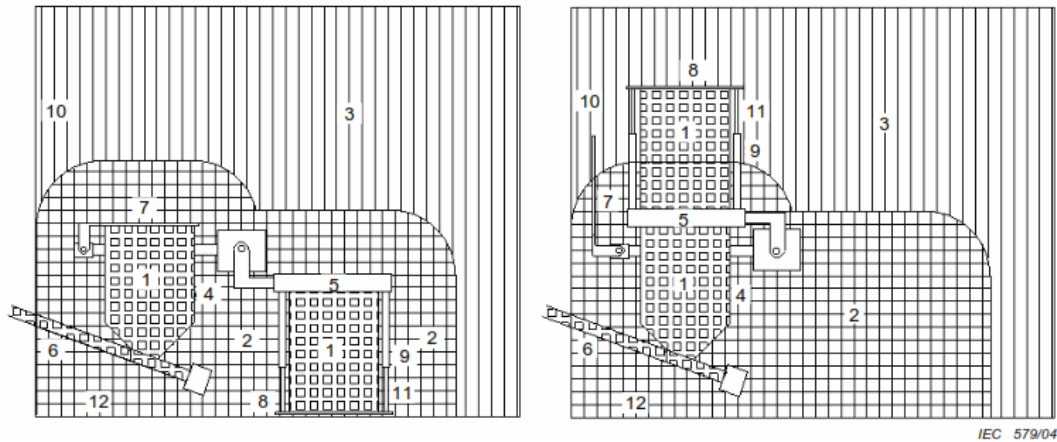
Replace Figure C.6.N drawing and Key with drawing and Key below



KEY

- |   |                 |    |              |
|---|-----------------|----|--------------|
| 1 | Zone 22         | 7  | Filter       |
| 2 | Zone 20         | 8  | To fine bins |
| 3 | Floor           | 9  | Extract bins |
| 4 | Cyclone         | 10 | To outlet    |
| 5 | To product silo | 11 | Zone 21      |
| 6 | Inlet           |    |              |

Replace Figure C.6.O drawing with drawing below



E.1 second line, change '*...source for s dust cloud...*' to '*...source for a dust cloud...*'

F.1 fourth line down, change '*...for the selection of temperature.*' change to '*...for the selection of equipment.*'

Delete, entire second paragraph and insert

*'The dual symbol Gb indicates that by G the apparatus is suitable for a hazardous gas atmosphere having a 'high' level of protection. Suitable for Zone 1 equivalent to ATEX Category 2G.'*

Third paragraph from the top, fifth line, insert comma instead of full stop after 'currents', then insert the following:-

*'it is for this reason that the neutral contact should be switched in the main isolator. It should be ensured, with this main isolator arrangement, that when switching off, that the neutral contact opens after all the live contacts and that the neutral contact closes before the live contacts when closing the main isolator'*

Page 201:

H.2, Insert the following at the end of the first paragraph:-

*'Note: Two additional 13A sockets can be installed, to provide one test socket per phase for a three phase installation'.*

Page 202:

Insert the following after the 4<sup>th</sup> paragraph:-

- a) *Figure HA relates to a TT earthing system only. (consumer on-site transformer).*
- b) *For a TN-S earthing system (consumer on-site transformer) the supply cable sheath/earthing conductor should be terminated instead of the consumer 'earth electrode' in Figure HA.*
- c) *For a TN-C-S earthing system, the neutralising link should be terminated to the same point as the consumer 'earth electrode' in Figure HA.*

Page 208:

Annex J.1, Table line B.13. change 'ET105:2001' to 'ET105:2011'

Page 243:

Table N.3.1A

DA (Dust) under the 'Group' column change 'II' to 'III'

DB (Dust) under the 'Group' column change 'II' to 'III'

DC (Dust) under the 'Group' column change 'II' to 'III'

Page 246:

N.5, first line, change 'explosion' to 'equipment'