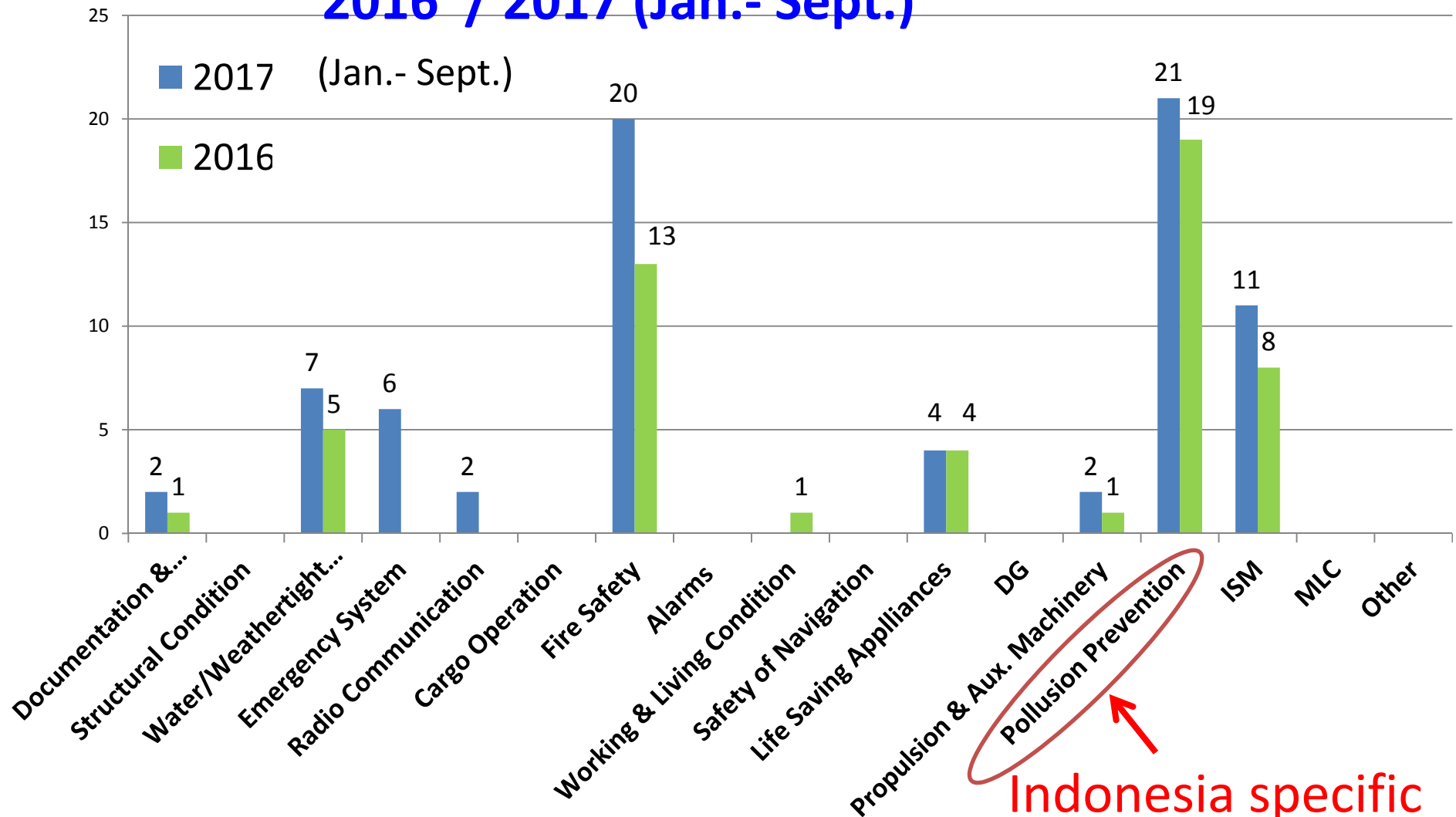


No. of detainable deficiencies in Indonesia (NK Fleet) 2016 / 2017 (Jan.- Sept.)



Indonesia specific

Contents of Detainable Def. relating to Pollution Prevention (2017) in Indonesia

Item	No.	Nature of Deficiencies
Incinerator	10	Incinerator defective.(ISM)
Sewage	8	Untreated sewage discharged in port area.(ISM)
		Sewage treatment defective.(ISM)
Other	3	GMP(ISM) etc.

(ISM): ISM-related

Check Items to prevent detention relating to Incinerator in Indonesia (1/2)

- ❑ Wastes shall not be fed into the unit below 850 degrees C* (for continuous-feed type)
- ❑ Temperature shall reach 600 degrees C* within FIVE(5) minutes after start-up (for batch-loaded type)**
 - Proper maintenance according to manufacture's operating manual
e.g. Periodical cleaning of furnace, burner, temperature sensor in the furnace.
 - Confirmation of satisfaction of this requirement by crew is recommended.

* Combustion chamber gas outlet temperature

** There is no requirement to reach 120 degrees C within ONE minute.
600 degrees C within FIVE minutes is conventional requirement.

Check Items to prevent detention relating to Incinerator in Indonesia (2/2)

- ❑ Personnel responsible for the operation of an Incinerator shall be trained to operate the incinerator according to the manufacture's operating manual.
- ❑ Engine officers know type approval standard of the Incinerator installed onboard.
(MEPC 76(40) or MEPC 244(66))
- ❑ Type approval certificate & manufacture's operating manual can be shown promptly.
- ❑ Substances prohibited by the MARPOL Annex VI are never incinerated.