

TEMPLATE FOR COMMENTS

<i>Draft reviewed</i>		
Title of the draft being reviewed:	Draft Guidelines for the establishment of baseline environmental data	
<i>Contact information</i>		
Surname:	Arai	
Given Name:	Yumiko	
Government (if applicable):		
Organization (if applicable):	Japan Oil, Gas and Metals National Corporation (JOGMEC)	
Country:	Japan	
E-mail:	isa-jogmec@jogmec.go.jp	
<i>General Comments</i>		
<p>The content of this guideline must be consistent with the draft exploitation regulation (hereafter, exploitation-DR) ⁽¹⁾. In addition, since exploration activities and exploitation are continuous, the exploration regulation (hereinafter exploration-R) ⁽²⁾ and related guidelines (hereinafter exploration env-G) ⁽³⁾ should also be consistent. However, when comparing these documents, inconsistent descriptions are found in items, definitions, survey methods, and so on. If there are reasonable reasons for those differences, they should be included in the guideline.</p> <p>(1) ISBA/25/C/WP1, (2) ISBA/19/C/17, (3) ISBA/25/LTC/6/Rev.1</p>		
<i>Specific Comments</i>		
Page	Line	Comment
		Comparison of exploitation-DR and this guideline (see Table 1)
		Comparison of exploitation-DR and this guideline (see table 2)
<p align="center"><i>Additional rows can be added to this table by selecting "Table" followed by "insert" and "rows below"</i></p>		

Table. 1 Comparison of exploitation-DR and this guideline

Description: Research items that are described in exploitation-DR but not in this draft	
P35, line1352	Item of Geochemistry is described in the Physicochemical environment section in exploitation-DR (on page 81, 4.7), but it is described in the Geological properties section in DBG (Line1352-1357).
Description: Research items that are described in this draft but not in exploitation-DR	
P20, line709	Item of Carbonate system is described in the Chemical oceanography and Biogeochemistry section in this draft (Line709-713), but not in exploitation-DR.
P20, line709	Item of Trace metals is described in the Chemical oceanography and Biogeochemistry section in this draft (Line714-717), but not in exploitation-DR.
P20, line725	Item of Radioactive isotope tracers is described in the Chemical oceanography and Biogeochemistry section in this draft (Line725-731), but not in exploitation-DR.
P39, line1515	Item of Ecotoxicology is described in the Biological communities section in this

	draft (Line1515-1517), but not in exploitation-DR.
P39, line1518	Turtles is described as a sensitive or protected species in this draft (Line1518-1521), but not in exploitation-DR.
Differences in definitions	
P39, line1540	Midwater is defined the depth from 200m to 50m above the seafloor in exploitation-DR(on page 82, 5.4.2), on the other hand, Mesopelagic or Twilight zone are defined the depth from 200m to 1,000m in this draft (Line1540-1541).
P39, line1541	Benthic is defined as a height of 50m above the seafloor in exploitation-DR (on page 82, 5.4.3), on the other hand, Dark deep sea is defined the depth above 1,000m in this draft (Line1541-1542).

Table. 2 Comparison of exploitation-DR and this guideline

Description: Research items that are described in exploration env-G but not in this draft	
	A minimum of three years of survey is regarded an ideal survey period in exploration env-G (on page 28, 46.), but not in this draft.
Description: Research items that are described in DBG but not in exploration env-G	
P20, line714	Item of Radioactive isotope tracers is described in the Chemical oceanography and Biogeochemistry section in this draft (Line714-717), but not in exploration env-G.
P38, line1467	Item of Habitat Classifications is described in the Geological properties section in this draft (Line1467-1472), but not in exploration env-G.
P11, line352	Item of Tide and Waves is described in the Chemical oceanography and Biogeochemistry section in this draft (Line352-354), but not in exploration env-G.
P12, line384	The CTD sampling layer is specified in this draft (Line384-388), but not in exploration env-G.
Description: others	
P11, line362	Item of Noise is described in the Physical oceanography section in this draft (Line362-364), while it is described in the Biological communities section in exploration env-G (on page 6, (d)(iv)).
P20, line697	Item of Nutrients is described in the Chemical oceanography and Biogeochemistry section in this draft (Line697), while it is described in the Geological properties section in exploration env-G (on page 6, (d)(iv)).
P20, line714	Item of Trace metals is described in the Chemical oceanography and Biogeochemistry section in this draft (Line714-717), while it is described in the Biological communities section in exploration env-G (on page 28,45.).
P24, line905	Item of Oxygen is described in the Chemical oceanography and Biogeochemistry section in this draft (Line905-908), while it is handled in the Measure sediment community oxygen consumption section in exploration env-G (on page 6,15.(g)).
P39, line1512	Item of The food structure is described about benthic organisms in this draft (Line1512-1514), but it is described for both benthic organisms and pelagic in exploration env-G (on page 6, 15.(h)).
P5, line101	8 items (Physical oceanography, Chemical oceanography, Geological properties, Biological communities, bioturbation activity and mixing of sediments, linkages between pelagic and benthic habitats, measure sediment community oxygen consumption, food web structure) is described as the study covers in exploration

	env-G (on page 5 to 6,15.(a)-(h)), but 4 items (Physical oceanography, Chemical oceanography and biogeochemistry, Geological properties, Biological communities) is described the study covers in this draft (Line101-104).
P19, line671	Regarding this draft, the table of contents (Line24) refers to Biochemistry, but the text (Line671) refers to biogeochemistry.
Differences in definitions	
P42, line1648	The size of megafauna is larger than 1cm in this draft (Line1648), while it is larger than 2cm in exploration env-G (on page 23, 41.(a)).
Differences in methodology	
P44, line1754	The sampling layer of macrofauna are 0-3cm, 3-5cm, and 5-10cm in this draft (Line1754-1756), while they are 0-1cm, 1-5cm, and 5-10cm in exploration env-G (on page 24, 41.(b)).
P36, line1413	The sampling layer for the sediment characterization is the upper 30cm of the sediment in push corers and multiple corers, and the upper 50cm in box corers in this draft (Line1413-1415), while it is necessary to collect up to about 20cm in exploration env-R (on page 20, 28.).

Comments should be sent by e-mail to ola@isa.org.im