**GRSF Knowledge Base Construction**

# Minimum Data Requirements

**Fisheries**

1. Fishery ID
2. Fishery name
3. Species
4. Fishing Area
5. Exploiting Stocks
6. Management Unit
7. Prod system type
8. Flag State
9. Fishing Gear
10. Annual Catch
11. DB Source
12. Source of Information
13. Ownership

**Stocks**

1. Stock /Assessment unit ID
2. Stock / Assessment unit name
3. Species
4. Fishing Area
5. Exploiting fishery
6. Management unit
7. Assessment methods
8. Scientific Advice
9. State of marine resource
* Exploitation rate
* Abundance level
1. DB Source
2. Source of information
3. Ownership

# RAM Case

**Complete database instance file used**: RAM\_complete.xml

## Stock ID

**xpath:** /stock/stockid

**example:** <stockid>YFINEIO</stockid>

## Stock Name

**xpath:** /stock/stocklong

**example:** <stocklong>Yellowfin tuna Indian Ocean</stocklong>

## Species

**xpath:** /stock/scientificname

**example:** <scientificname>Lophius americanus</scientificname>

## Fishing Area

**xpath:** /stock/areaid

**example:** <areaid>USA-NMFS-SGBMATL</areaid>

## Exploiting fishery

**xpath:** -

**example:** -

## Assessment unit ID

**xpath:** /assessment/assessid

**example:** <assessid>NZMFishDEEPWATER-BLACKOREOWECR-1973-2007-JENSEN</assessid>

**Question 1:** Can an assessment assess more than one stocks?

## Management unit –management authority for the case of ram

**xpath:** /assessment/assessorid == /assessor/assessorid,
/assessor/mgmt == management/mgmt

**example:**
<management>
<mgmt>AFMA</mgmt>
<country>Australia</country>
<managementauthority>Australian Fisheries Management Authority, Australia national management</managementauthority>
</management>

**Question 1:** Do you confirm that this is the way to retrieve the management unit?

## Assessment methods

**xpath:** /assessment/assessmethod

**example:** <assessmethod>ASAP</assessmethod>

## Scientific Advice

**xpath:** -

**example:** -

See table access table: Cadvised in the tsmetrics table

## State of marine resource

**xpath:** -

**example:** -

**Question 1:** Exploitation rate and abundance level cover this? Do we need to include other indicators?

**Question 2:** The logic to include an indicator is the following:
/bioparams/stockid == stock/stockid, /bioparams/bioid == /biometrics/biounique,
/bioparams/assessed == /assessment/assessid

Exploit the parameters that have the “*touse*” suffix

## Exploitation rate

**xpath:** -

**example:** -

**Question 1:** Which biometric(s) corresponds to the exploitation rate?

## Abundance level

**xpath:** -

**example:** -

**Question 1:** Which biometric(s) corresponds to the abundance level?

## DB Source

**xpath:** selection during input

**example:** RAM

## Source of Information

**xpath:** /assessment/assesssource

**example:** <assesssource>http://www.sefsc.noaa.gov/sedar/download/S34\_Bonnethead\_SAR.pdf?id=DOCUMENT</assesssource>

## Ownership

**xpath:** /assessment/assessorid

 An integration with the citation will take place

**example:** <recorder>MILLER</recorder>