

FRDC resource: Australian Fish Names Standard (AS5300)

2015-210



Alan Snow Consulting

Alan J Snow
30 June 2019

FRDC Project No **2015-210**

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In submitting this report, the researcher has agreed to FRDC publishing this material in its edited form.

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Acknowledgments

The Fish Names Committee chair and members have been a key part of the success of this project. Without their involvement, this project would not have achieved what it has to date.

The FNC members for the duration of this project were:

Name	Position	Period
Gus Dannoun	FNC Chair	1 July 2014 to 30 June 2019
Richard Stevens	Expert Member (Seafood Marketing) and Deputy Chair	1 July 2014 to 31 January 2018
Anni Conn	Expert Member (Seafood Marketing) and Deputy Chair	1 February 2018 to 30 June 2019
Anthony Mercer	Expert Member (Seafood Processors)	1 July 2014 to 30 June 2019
Don Tuma	Expert Member (Seafood Marketing and Fish and Invertebrates Taxonomy)	1 July 2014 to 30 June 2019
Glenn Austin	Expert Member (Hospitality)	1 July 2014 to 30 June 2019
Gordon Yearsley	Expert Member (Fish Taxonomy)	1 July 2012 to 30 June 2019
Hamish Allen	Expert Member (Major Supermarkets)	1 November 2012 to 30 June 2019
Jason Gibson	Fisheries Agencies Appointee –Chair of AFMF nominates attendee	1 July 2012 to 30 June 2019
Karen Gowlett-Holmes	CSIRO Fish and Invertebrates Taxonomy	1 July 2017 to 30 June 2019
Kerry Strangas	Master Fish Merchants Association of Australia	1 July 2017 to 30 June 2019
Lisa McKenzie	Department of Agriculture and Water Resources	1 June 2016 to 30 June 2019
Mark Boulter	Expert Member (Seafood Imports)	13 September 2017 to 30 June 2019
Norm Grant	Expert Member (Seafood Imports)	1 July 2012 to 13 September 2017
Russell Conway	Expert Member Recreational Fishing	1 March 2013 to 30 June 2019
Simon Boag	Australian seafood industry Appointee	1 July 2014 to 1 May 2018
Renee Vajtauer	Australian seafood industry Appointee	22 October 2018 to 30 June 2019

The author would like to acknowledge the valuable assistance and administrative support supplied by Tanya Corcoran during the life of this project who has introduced some very valuable initiatives.

Abbreviations

TERM	DEFINITION
ABSDO	Accreditation Board of Standards Development Organisations
AFMF	Australian Fisheries Managers Forum
AFNS	The Australian Fish Names Standard AS 5300
FNC	Fish Names Committees
SAFS	Status of Australian Fish Stocks
SDO	Standards Development Organisation
SIAA	Seafood Importers Association of Australasia
SRB	Standards Reference Body
SDAC	Standards Development and Accreditation Committee
MFMA`	Master Fish Merchants Association
SIA	Seafood Industry Australia

Executive Summary

This work program and activities in this project continued the work initially commenced by Seafood Services Australia in 1999 and the subsequent FRDC funded projects:

- Project – FRDC 2012-209, “Develop and promote the Australian Fish Names Standard (AS-5300) and ensure reaccreditation as a Standards Development Organisation; Michelle Christoe, SSA Executive Officer – novated to (2012-209.40) Alan Snow Consulting;
- Project - FRDC 2012-209.40, “Develop and promote the Australian Fish Names Standard (AS-5300) and ensure reaccreditation as a Standards Development Organisation;”, Alan Snow Consulting
- Project - FRDC resource: Australian Fish Names Standard (AS5300) (Alan Snow Consulting)

The operating procedures of the Fish Names Committee have continued to improve, and proposed amendments have been evaluated in a highly professional manner.

The list of approved names in the Australian Fish Names Standard has continued to expand to meet stakeholder needs through harmonising with SAFS and the addition of more commercial invertebrate species.

Background

The steps to the development of the Australian Fish Names Standard commenced in the mid 1980's but took a new form with the formation of the Fish Names Committee in 1999. When the Fish Names Committee commenced, there were approximately 3,000 edible fish species, for which there were about 10,000 different names. Nomenclature for invertebrates (molluscs, crustacean, etc) was even more complex.

Successive consumer feedback demonstrated that one of the major consumer concerns about purchasing seafood was that they were not confident that they were getting what they were paying for. Public and consumer confidence is vital to the well-being of Australia's seafood industry.

Standard Fish Names remove confusion, strengthen consumer confidence, create market efficiency, underpin effective fisheries monitoring and improve the management of food safety.

A list of agreed names – The Fish Names List was developed in 2000. This list was expanded greatly in 2004 with the addition of about 3500 agreed names following a Common Names Workshop. This workshop also developed a set of agreed protocols that would be used in the future for the naming of fish. This previous Australian Fish Names List became the Australian Fish Names Standard.

Seafood Services Australia (SSA) was accredited as a Standards Development Organisation (SDO) in 2006 to develop Australian Standards in the seafood industry. SSA had one accredited Australian Standard, the Australian Fish Names Standard AS 5300.

In July 2013 SSA ceased to operate. FRDC immediately took steps to become accredited as a Standards Development Organisation (SDO) thus ensuring that the Australian Fish Names Standard development continued.

Accreditation by the FRDC as an SDO means it takes on the role of only 5 similar Standards Development Organizations (SDO) accredited by the Standards Development and Accreditation Committee (SDAC).

The Australian Fish Names Standard now includes agreed names for over 600 commercially important domestic and imported species of fish, and over 5,000 other domestic and imported finfish. The process of assigning these agreed names drew on the expertise of several of the world's best fisheries taxonomists and other key stakeholders.

The FRDC has given autonomy to the Fish Names Committee for the development and maintenance of this Standard which is underpinned by rigorous policies and procedures that have been developed by Standards Australia and the FRDC.

Aims / Objectives

Use of standard fish names in Australia achieves outcomes that are consistent with the aims of industry and governments:

- Improved monitoring and stock assessment enhance the sustainability of fisheries resources;
- Increased efficiency in seafood marketing improves consumer confidence and industry profitability;
- Improved accuracy in trade descriptions enables consumers to make better informed choices when purchasing seafood and reduces the potential for misleading and deceptive conduct;
- Seafood related public health incidents and food safety risks can be more efficiently managed through improved labelling and species identification;
- Marketability and consumer acceptability of species are enhanced through the use of standard fish names.

The specific aims of this project were:

- Ensure FRDC maintains its accreditation as an SDO by the Standards Australia Standards Development and Accreditation Committee (SDAC) through participation in audits and improved standards development policies and procedures;
- Continually improve the content of the Australian Fish Names Standard AS 5300 and underlying procedures to meet market, regulator and stakeholder needs and expectations;
- Continue to promote the usage and uptake of Australian Standard Fish Names to the broader seafood industry and government through strategic submissions and presentations to government in consultation with FRDC;
- Develop and implement an alternative funding mechanism for the administration of the Australian Fish Names Standard in consultation with FRDC;
- Provide an advisory service to all stakeholders on matters related to the content of the AFNS and its usage;
- Provide services to the Fish Names Committee through administration of the committee and meetings of the committee;
- Develop procedures to document each component of the Fish Names process to provide for “succession planning”;
- The Fish Names Committee continually look for methods to reduce costs and scope user pays type mechanisms.

Results / Key findings

- Standards Australia audits have all been successful and FRDC operating procedures have been incorporated into the FNC operating procedures.
- Steps have been taken by the FNC to ensure that the approved names in the Australian Fish Names Standard are in harmony with the names used in reporting on the Status of Australian Fish Stocks (SAFS).
- There have been 8 FNC meetings held during the life of this project which has resulted in 100 agreed species names being added to the AFNS.
- The membership of the FNC has been further expanded to ensure a broader representation of stakeholder interests are being met.
- Stakeholder updates are now regularly prepared for distribution to affected stakeholders.
- A Stakeholder Consultation survey was undertaken in November 2018 which had a very high response and showed a high level of confidence in the FNC and its fish names processes.
- Further discussions and strategies developed by the FNC at the Fish Names Workshop held on 26 August 2016 are being held to continually improve the operating procedures of the FNC.
- The Australian Fish Names Standard is now recognised and accepted by all sectors of the Australian seafood industry.

- FRDC as an accredited SDO now has a bigger role in assisting to disseminate information through its vast number of contacts. This further facilitates processes such as public consultation and dissemination of results of final approval of applications.

Recommendations

Further work needs to be conducted in a number of areas:

- The actions arising from the Stakeholder Consultation strategy undertaken in November 2018;
- Further explanation of some of the decisions made by the FNC – Fish Name Fact Files
- Developing alternative funding mechanisms for the fish names project.

Keywords

Australian Fish Names Standards, Fish Names Committee

Introduction

Seafood Services Australia was given responsibility for the management of the fish names process by FRDC in 1999.

A process had previously been developed as part of the production of the previous Australian Government Department of Primary Industries and Energy publication, *“Recommended Marketing Names for Fish and Seafood in Australia”* whereby proposals to amend fish names would be received by the Australian Seafood Extension and Advisory Service (AUSESAS), one of the projects which was amalgamated with other projects to become Seafood Services Australia. This process was very convoluted, and a new process needed to be developed.

A revised process was developed in 1999. The key planks of this process were:

- Establish a representative Fish Names Committee with representation from the major sectors of the seafood industry;
- Development of the Australian Fish Names List which included the approved names for approximately 300 commercial species of both domestic and imported fish and seafood in Australia;
- Development of a rigorous process for handling new applications and proposed amendments to the Australian Fish Names List involving two rounds of evaluation by the FNC and a public consultation phase.

The Australian Fish Names List became accepted by the Australian Seafood Industry and experienced continual refinement and enhancement over the next few years. This process formed the basis for what was to become the Australian Fish Names Standard.

This project continued to build on the successes that had been achieved through previous investment over a number of years by the FRDC.

SSA continued to develop the processes associated with fish names and was accredited as a Standards Development Organisation in 2006. SSA ceased operations in July 2013 and FRDC became the accredited standards development organisation with the same scope as that initially held by SSA.

This project was focused on further developing and improving the extension and adoption of the Australian Fish Names Standard AS SSA-5300, including maintaining the public input and audit process required to maintain its accreditation as an Australian Standard and for Seafood Services Australia (SSA) to maintain its accreditation as a Standards Development Organisation

The objectives of this project were placed on hold for a period of about 3 months when SSA ceased operations.

FRDC became accredited as a Standards Development Organisation on 11 September 2013 and continued the fish names strategy through two previously funded projects,

- Project – FRDC 2012-209, “Develop and promote the Australian Fish Names Standard (AS-5300) and ensure reaccreditation as a Standards Development Organisation; Michelle Christoe, SSA Executive Officer – novated to (2012-209.40) Alan Snow Consulting;
- Project - FRDC 2012-209.40, “Develop and promote the Australian Fish Names Standard (AS-5300) and ensure reaccreditation as a Standards Development Organisation;”, Alan Snow Consulting

This project has continued the development and completed the transfer of the project to FRDC. At the commencement of this project, the old Seafood Services Australia searchable database was still in use. This has now been replaced by the FRDC searchable database at www.fishnames.com.au.

Major enhancements to operating procedures have been achieved through further integration with FRDC established policies and operating procedures.

The key milestones in the continuing development of the Australian Fish Names Standard to date have been:

- 1985** The DPI&E Publication “*Recommended Marketing Names for Fish and Seafood in Australia*” was released which included a process to be managed by the Australian Seafood and Extension Service (AUSEAS) for receiving and considering new applications to add new marketing names. AUSEAS was one of the projects that became Seafood Services Australia.
- 25 June 1999** FRDC coordinated a meeting with key people including Ted Loveday from SSA where the need for a Marketing Names for Seafood committee was agreed to by all parties
- 1999** First edition of the “*Australian Seafood Handbook (Domestic Species)*” was published by CSIRO
- April 2001** A meeting was held at FRDC convened by Richard Stevens where a framework was developed to form a representative Fish Names Committee (FNC)
- 18-19 June 2001** The first meeting of what was to become the Fish Names Committee was held in Canberra. Representatives included Richard Stevens (WAFIC), Peter Last (CSIRO), Gordon Yearsley (CSIRO), Joan Leary (AFFA/SCFA), Les Johns (AQIS), Mark Fitzroy (ANZFA), Steven Gill (ASIC), Peter Dundas-Smith (FRDC), Noel Gallagher (SIAA), Roy Palmer (SSA), Jayne Gallagher (SSA), and Alan Snow (SSA)
- This meeting formed Terms of Reference and endorsed a process for handing applications to add and amend fish names.
- 2001** The Australian Fish Names List was formed which included all of the names currently included in the *Australian Seafood Handbook (Domestic Species)*
- 24 September 2001** Meeting held with the Seafood Importers to agree to a number of names that are to be included in the *Australian Seafood Handbook (Imported Species)* and added to the Australian Fish Names List.
- 11 March 2003** The “*Australian Seafood Handbook (Imported Species)*” was published and launched in Sydney
- 17 September 2003** The first performance of the FNC Rap at Seafood Directions in Perth
- 21-22 September 2004** A Common Names Workshop was held in Adelaide to agree on common names issues relating to particular fishes. Participants included FRDC, SSA, CSIRO, FNC Members, authors of fish books. This meeting agreed to a set of fish naming protocol's which have formed the basis for all applications to amend the AFNS.
- This workshop agreed on names to approximately 4000 species of finfish.
- 8 November 2004** A Fish Identification Workshop was held in Hobart to discuss methods to verify fish samples. Attendees included SSA, FRDC, CSIRO Marine and Atmospheric Research, Research providers, Food Safety Agencies, Universities.

20 March 2006	Seafood Services Australia was successful in being accredited as a Standards Development Organization (SDO) by the Standards Australia Standards Accreditation Board
	The scope of accreditation was “to develop Australian Standards for common fish names used in Australia, where ‘fish’ means any aquatic vertebrate and invertebrate excluding mammals and amphibians”
30 October 2007	The Australian Fish Names Standard AS SSA 5300-2007 was published and launched in Hobart
2009	AS SSA 5300-2009 version published by Seafood Services Australia
2011	AS SSA 5300-2011 version published by Seafood Services Australia
12 August 2012	The FRDC Fish Names Workshop conducted in Brisbane with the following terms of reference: <ul style="list-style-type: none"> 1. Review the processes of the FNS including its internal committee process and procedures. 2. Explore the successes and failures of the FNS and processes to date. 3. Determine Research, Development and Extension (RD&E) needs that are required to support the FNS and processes. 4. Explore businesses models for the continuation of the FNS and associated processes. This includes exploring funding models that are less reliant on FRDC funds.
12 June 2013	SSA was successful in having its scope amended and was accredited to develop Australian Standards in the fields of terminology, sustainability and operational practices in the seafood industry.
July 2013	Decision by the SSA Board that it will cease operations.
11 September 2013	FRDC was accredited as a Standards Development Organisation to develop Australian Standards within the scope of terminology, sustainability and operational practices in the fishing industry.
2 November 2013	Project 2012-209 novated to (2012-209-40) Alan Snow Consulting for the remainder of the contract.
12 November 2013	The first meeting of the FNC as a Standards Reference Body with FRDC scope as an SDO held – the FNC 24 Teleconference
13 March 2014	FNC 25 held in Melbourne. This was the first face to face meeting of the FNC as a FRDC managed Standards Reference Body
30 June 2014	Completion of a nomination process to appoint new members to the Fish Names Committee. Mr Gus Dannoun was appointed by the FRDC as the Chair.
27 April 2015	AS 5300-2015 version Published by FRDC
12 November 2015	Standards Australian Surveillance Audit
27 November 2015	FNC 28 Teleconference held
22 April 2016	FNC 29 Teleconference held

25 and 26 August 2016	FNC 30 held in Canberra
22 23 September 2016	Standards Australian Reaccreditation Audit
15 March 2017	FNC 31 Teleconference held
26 September 2017	FNC 32 held at Sydney Fish Market
13 October 2017	Standards Australian Surveillance Audit
8 May 2018	FNC 33 Teleconference held
4-5 September 2018	FNC 34 held in Hobart
26 September 2018	Standards Australian Surveillance Audit
8 May 2019	FNC 35 Teleconference held
26 June 2019	AS 5300-2019 Version published

Full details of all Fish Names Committee meetings conducted are included as [Appendix 1 – Complete List of FNC Meetings.](#)

Objectives

The objectives of this project were:

- 1 Ensure FRDC is re accredited by the Accreditation Board of Standards Development Organisations as a Standards Development Organisation through participation in audits and improved standards development policies and procedures.
- 2 Continually improve the content of the Australian Fish Names Standard AS 5300 and underlying procedures to meet market, regulator and stakeholder needs and expectations.
- 3 Continue to promote the usage and uptake of Australian Standard Fish Names to the broader seafood industry and government through strategic submissions and presentations to government in consultation with FRDC
- 4 Develop and implement an alternative funding mechanism for the administration of the Australian Fish Names Standard in consultation with FRDC
- 5 Provide an advisory service to all stakeholders on matters related to the content of the AFNS and its usage.
- 6 Provide services to the Fish Names Committee through administration of the committee and meetings of the committee.
- 7 Procedures are developed to document each component of the Fish Names process to provide for “succession planning”.
- 8 The Fish Names Committee continually look for methods to reduce costs and scope user pays type mechanisms.

All objectives have been met but work remains to be done for Objectives 4 and 8 which have always proved to be problematic.

Methods and Results

Key achievements against milestones for the duration of this project are detailed below.

Australian Fish Names Standard AS 5300-2019

A revised edition of the Australian Fish Names Standard was published on 26 June 2019. This version replaces the AS 5300-2015 version and incorporates all approved amendments from FNC meetings

FNC 28	27 November 2015
FNC 29	22 April 2016
FNC 30	25 and 26 August 2016
FNC 31	15 March 2017
FNC 32	26 September 2017
FNC 33	8 May 2018
FNC 34	4-5 September 2018
FNC 35	8 May 2019

Process approval for the revised edition of AS 5300 was given by the FRDC Board on 12 June 2019 and published on 24 June 2019. The version is now available on the SAI Global website at https://infostore.saiglobal.com/preview/481378391854.pdf?sku=111200_SAIG_AS_AS_2741382.

This version replaces all previous versions of the Standard. The version history is:

Originated as	AS SSA 5300-2007 (Seafood Services Australia)
Second Edition	AS SSA 5300-2009 (Seafood Services Australia)
Third Edition	AS SSA 5300-2011 (Seafood Services Australia)
Fourth Edition	AS 5300-2015
This Edition	AS 5300-2019

The AS 5300-2019 version incorporates the following amendments to Annex A of the standard.

App No	Date approved	CAAB Code	Standard Name	Scientific Name
App 239	22/04/2016	37 224901	DEEPSEA CODS	<i>Mora moro & Lepidion spp.</i>
App 241	22/04/2016	37 287750	Pacific Ocean Perch	<i>Sebastes alutus</i>
App 242	22/04/2016	37 287751	Black Rockfish	<i>Sebastes melanops</i>
App 243	25/08/2016	37 404795	Antarctic Toothfish	<i>Dissostichus mawsoni</i>
App 244	25/08/2016	28 910003	Crystal Crab	<i>Chaceon albus</i>
App 245	25/08/2016	28 910001	Eastern Crystal Crab	<i>Chaceon bicolor</i>
App 246	25/08/2016	28 820006	Ornate Rock Lobster	<i>Panulirus ornatus</i>
App 247	25/08/2016	28 820009	Scalloped Rock Lobster	<i>Panulirus homarus</i>
App 248	25/08/2016	28 820011	Fourspine Rock Lobster	<i>Panulirus penicillatus</i>
App 249	25/08/2016	28 820013	Painted Rock Lobster	<i>Panulirus versicolor</i>

App No	Date approved	CAAB Code	Standard Name	Scientific Name
App 250	25/08/2016	28 820016	Longleg Rock Lobster	<i>Panulirus longpipes</i>
App 251	25/08/2016	28 820012	Mud Rock Lobster	<i>Panulirus polyphagus</i>
App 252	15/03/2017	23 270901	SAUCER SCALLOPS	<i>Amusium pleuronectes and Ylistrum balloti</i>
App 253	15/03/2017	23 270001	Ballot's Saucer Scallop	<i>Ylistrum balloti</i>
App 254	15/03/2017	23 270003	Saucer Scallop	<i>Amusium pleuronectes</i>
App 255	15/03/2017	23 359001	Pipi	<i>Donax deltoides</i>
App 256	8/05/2018	28 911007	Orange Mud Crab	<i>Scylla olivacea</i>
App 257	8/05/2018	28 911008	Giant Mud Crab	<i>Scylla serrata</i>
App 258	15/03/2017	28 821002	Serrate Bug	<i>Ibacus pubescens</i>
App 259	15/03/2017	28 821003	Western Balmain Bug	<i>Ibacus novemdentatus</i>
App 260	15/03/2017	28 821004	Balmain Bug	<i>Ibacus peronii</i>
App 261	15/03/2017	28 821009	Shortfoot Bug	<i>Ibacus brevipes</i>
App 262	15/03/2017	28 821010	Honey Bug	<i>Ibacus brucei</i>
App 263	15/03/2017	28 821019	Smooth Bug	<i>Ibacus chacei</i>
App 264	15/03/2017	28 821007	Mud Bug	<i>Thenus parindicus</i>
App 265	15/03/2017	28 821008	Sand Bug	<i>Thenus australiensis</i>
App 266	15/03/2017	37 407791	Mackerel Icefish	<i>Champscephalus gunnari</i>
App 267	15/03/2007	37 232754	Bigeye Grenadier	<i>Macrourus holotrachys</i>
App 268	15/03/2017	28 711932	TIGER PRAWNS	<i>Penaeus esculentus & Penaeus semisulcatus</i>
App 269	15/03/2017	28 711046	Australian Kuruma Prawn	<i>Penaeus pulchricaudatus</i>
App 270	15/03/2017	24 038751	Tiger Abalone	<i>Haliotis laevigata x Haliotis rubra</i>
App 271	15/03/2017	24 038001	Tropical Abalone	<i>Haliotis asinina</i>
App 272	15/03/2017	28 711930	GREASYBACK PRAWNS	<i>Trachysalambria spp.</i>
App 273	15/03/2017	23 380019	Venus Clam	<i>Venerupis largillierti</i>
App 274	15/03/2017	23 380946	AUSTRALIAN VENUS CLAMS	<i>Venerupis spp (except for Venerupis largillierti)</i>
App 275	8/05/2018	28 916001	Champagne Crab	<i>Hypothalassia acerba</i>

App No	Date approved	CAAB Code	Standard Name	Scientific Name
App 276	8/05/2018	28 916002	Eastern Champagne Crab	<i>Hypothalassia armata</i>
App 277	8/05/2018	25 416070	Deepwater Blackfish (Sea Cucumber)	<i>Actinopyga palauensis</i>
App 278	8/05/2018	25 416014	Blackspotted Sea Cucumber	<i>Pearsonothuria graeffei</i>
App 279	8/05/2018	25 416017	Snakefish (Sea Cucumber)	<i>Holothuria coluber</i>
App 280	8/05/2018	25 416055	Brownspotted Sea Cucumber	<i>Holothuria impatiens</i>
App 281	8/05/2018	25 417007	Selenka's Sea Cucumber	<i>Stichopus horrens</i>
App 282	8/05/2018	25 417009	Brownmottled Sea Cucumber	<i>Australostichopus mollis</i>
App 283	8/05/2018	25 417012	Curryfish vastus (Sea Cucumber)	<i>Stichopus vastus</i>
App 284	8/05/2018	25 417014	Ocellated Sea Cucumber	<i>Stichopus ocellatus</i>
App 285	8/05/2018	25 416013	Leopardfish (Sea Cucumber)	<i>Bohadschia argus</i>
App 286	8/05/2018	25 416015	Chalkfish (Sea Cucumber)	<i>Bohadschia marmorata</i>
App 287	8/05/2018	25 416065	Brown Sandfish (Sea Cucumber)	<i>Bohadschia vitiensis</i>
App 288	8/05/2018	28 911122	Keeled Mud Crab	<i>Scylla paramamosain</i>
App 289	8/05/2018	24 045004	Wavy Periwinkle	<i>Lunella undulata</i>
App 290	8/05/2018	24 045904	TURBAN SHELLS	<i>Turbinidae spp</i>
App 291	8/05/2018	37 226797	Arctic Molva	<i>Molva molva</i>
App 292	8/05/2018	24 045003	Rough Turban Shell	<i>Lunella torquata</i>
App 294	4/09/2018	37 018917	BLACKTIP SHARKS	<i>Carcharhinus limbatus, Carcharhinus sorrah, & Carcharhinus tilstoni</i>
App 295	4/09/2018	25 211001	Longspined Sea Urchin	<i>Centrostephanus rodgersii</i>
App 296	4/09/2018	25 211002	Western Longspined Sea Urchin	<i>Centrostephanus tenuispinus</i>
App 297	4/09/2018	25 211009	Needlespined Sea Urchin	<i>Diadema setosum</i>
App 298	4/09/2018	25 242011	Collector Sea Urchin	<i>Tripneustes gratilla</i>

App No	Date approved	CAAB Code	Standard Name	Scientific Name
App 299	4/09/2018	25 247001	Shortspined Sea Urchin	<i>Heliocidaris erythrogramma</i>
App 300	4/09/2018	25 247002	Red Sea Urchin	<i>Heliocidaris tuberculata</i>
App 301	4/09/2018	25 247003	Burrowing Sea Urchin	<i>Echinometra mathaei</i>
App 302	4/09/2018	25 247009	Kina	<i>Evechinus chloroticus</i>
App 303	4/09/2018	28 795001	White Yabby	<i>Cherax albidus</i>
App 304	4/09/2018	28 795126	Margaret River Marron	<i>Cherax tenuimanus</i>
App 306	4/09/2018	37 096751	Rainbow smelt	<i>Osmerus mordax</i>
App 307	4/09/2018	24 045001	Green Turban Shell	<i>Turbo marmoratus</i>
App 308	8/5/2019	24 045002	Smooth Turban Shell	<i>Turbo imperialis</i>
App 309	8/05/2019	28 786001	Australian Scampi	<i>Metanephrops australiensis</i>
App 310	8/05/2019	28 712003	Pink Striped Prawn	<i>Aristeus virilis</i>
App 311	8/05/2019	28 770005	White Carid Prawn	<i>Heterocarpus sibogae</i>
App 312	8/05/2019	28 770007	Red Carid Prawn	<i>Heterocarpus woodmasoni</i>
App 313	8/05/2019	28 030000	MANTIS SHRIMPS	Order Stomatopoda - undifferentiated
App 314	8/05/2019	28 051033	Woodmason's Mantis Shrimp	<i>Erugosquilla woodmasoni</i>
App 315	8/05/2019	28 051036	Rapacious Mantis Shrimp	<i>Harpiosquilla harpax</i>
App 316	8/05/2019	28 051039	Giant Mantis Shrimp	<i>Harpiosquilla stephensoni</i>
App 317	8/05/2019	28 051052	Blackspot Mantis Shrimp	<i>Oratosquillina interrupta</i>
App 318	8/05/2019	28 051054	Fivetooth Mantis Shrimp	<i>Oratosquillina quinqueidentata</i>
App 319	8/05/2019	28 051003	Smooth Mantis Shrimp	<i>Belosquilla laevis</i>
App 320	8/05/2019	28 051055	Stephenson's Mantis Shrimp	<i>Oratosquillina stephensoni</i>
App 321	8/05/2019	28 046005	Striped Mantis Shrimp	<i>Lysiosquillina maculata</i>
App 322	8/05/2019	28 038001	Keeled Mantis Shrimp	<i>Odontodactylus cultrifer</i>
App 323	8/05/2019	28 038002	Japanese Mantis Shrimp	<i>Odontodactylus japonicus</i>
App 324	8/05/2019	28 036018	Clubfoot Mantis Shrimp	<i>Gonodactylus chiragra</i>

App No	Date approved	CAAB Code	Standard Name	Scientific Name
App 325	8/05/2019	27 528904	GOOSENECK BARNACLES	<i>Lepas spp.</i>

The printed version of the Australian Fish Names Standard is available but the public face of the AFNS is the searchable database at www.fishnames.com.au.

Changes have been made to streamline the printing of the Fish Names Standard and lists of approved fish names.

The fish names database at FRDC has been amended:

- To enable the AFNS list of names to be generated directly from the database with minimal extra formatting.
- To include and allow for the printing of Application numbers that give full traceability of all applications to the AFNS
- Updating with the date of approval of the proposed amendment

The published version of AS 5300-2019 varies slightly from previous versions:

- By including the application number for a proposed amendment
- Listing all approved amendments to the AFNS after the last published version AS 5300-including amendments approved at FNC 35
- Species not being grouped in families as previously
- The list continues to include sub lists as
 - A-1 Invertebrates – Jellyfishes, Sea Urchins and Sea Cucumbers
 - A-2 Invertebrates – Molluscs including Bivalves, Univalves and Cephalopods
 - A-3 Invertebrates – Crustaceans
 - A-4 Vertebrates - Jawless and Cartilaginous Fishes
 - A-5 Vertebrates – Bony Fishes



Figure 1 Cover of AS 5300-2019

The Australian Fish Names Standard and SAFS

Considerable effort has been made by the Fish Names Committee in the past three years to align the names used in the Status of Australian Fish Stocks (SAFS) dataset and the approved names in the Australian Fish Names Standard.

Fish Names Committee- Meetings and Operations

FNC Meetings

The following key meetings were held by the FNC during this project

5 August 2015	FNC 27 Teleconference held
27 November 2015	FNC 28 Teleconference held at the Sydney Fish Market that considered 3 new proposed amendments
22 April 2016	FNC 29 Teleconference held at the Sydney Fish Market that considered 10 new proposed amendments and gave final approval; to 3 proposed amendments following public consultation
25 and 26 August 2016	FNC 30 Canberra that considered 17 new proposed amendments and gave final approval; to 9 proposed amendments following public consultation
15 March 2017	FNC 31 Teleconference that considered 4 new proposed amendments and gave final approval; to 21 proposed amendments following public consultation
26 September 2017	FNC 32 held at the Sydney Fish Market that considered 17 new proposed amendments
8 May 2018	FNC 33 Teleconference held at the Sydney Fish Market that considered 14 new proposed amendments and gave final approval; to 20 proposed amendments following public consultation
4-5 September 2018	FNC 34 held in Hobart that considered 15 new proposed amendments and 17 final proposed amendments. 15 were passed and 2 were deferred for farther consideration
8 May 2019	FNC 35 Teleconference held at the Sydney Fish Market that gave final approval; to 17 proposed amendments following public consultation Final approval given for the publishing of AS 5399-2019

Fish Names Committee Membership

The FNC is structured to be representative of all key stakeholder groups in the Australian Seafood Industry as well as 4 additional appointees who are expertise-based positions this ensuring that all required skills are covered on the FNC.

The membership of the FNC is continually changing with the end result being that the breadth of people with the required skills is expanding.

The role of the committee is to assess and assign standard fish names in accordance with approved transparent and rigorous procedures standards development policies and procedures. Fish Names Committee members are appointed by the FRDC Board which must ensure that the committee collectively possess the appropriate skills and knowledge.

Meetings are usually a full day in duration with an annual face to face meeting and one or more teleconferences conducted per year.



Figure 2 FNC 34 in action in Hobart

The workload of the FNC shows no sign of abating with applications continually being handled for additional names to be added, particularly for:

- Imported seafood species;
- Additional secondary species that are developing a market
- Addition of invertebrate species.

During the project, membership of the committee has changed. The membership of the FNC as at 30 June 2019 was

Position	Name	Nominating Organisation	Date of Appointment	Date of Expiry of current Appointment
Independent Chair	Gus Dannoun	FRDC	1 July 2017	30 June 2020
Australia Seafood Industry appointee	Renee Vajtauer	Seafood Industry Australia	22 October 2018	22 October 2021
Fisheries Agencies Appointee	Jason Gibson as nominee and coordinate attendance with Heather Brayford	Australian Fisheries Managers Forum		
Recreational Fishing Appointee	Russell Conway	Recreational Fishing Peak Body	15 August 2018	15 August 2021
Expert Member (Seafood Imports)	Mark Boulter	Seafood Importers Association of Australasia Inc	13 September 2017	13 September 2020
Expert Member (Hospitality)	Glenn Austin	FRDC	1 July 2017	30 June 2020
Expert Member (Major Supermarkets)	Hamish Allen	Major Supermarkets	1 March 2016	1 March 2019
Expert Member (Seafood Marketing and Fish and Invertebrates Taxonomy)	Don Tuma	FRDC	1 July 2017	30 June 2020
Expert Member (Fish Taxonomy)	Gordon Yearsley	FRDC	1 July 2017	30 June 2020
Expert Member (Seafood Marketing)	Anni Conn	FRDC	1 February 2018	1 February 2021
Expert Member (Seafood Processors)	Anthony Mercer	FRDC	1 July 2017	30 June 2020
Department of Agriculture and Water Resources (approved by FRDC board 11 May 2016)	Lisa McKenzie	Department of Agriculture and Water Resources	1 June 2016	1 June 2019
CSIRO Fish and Invertebrates Taxonomy Approved by FRDC Board in April 2017	Karen Gowlett-Holmes	CSIRO Fish and Invertebrates Taxonomy	1 July 2017	30 June 2020

Position	Name	Nominating Organisation	Date of Appointment	Date of Expiry of current Appointment
Independent fish retailers Approved by FRDC Board in April 2017	Kerry Strangas	Master Fish Merchants Association of Australia	1 July 2017	30 June 2020
Non-voting				
SDO Representative	Patrick Hone			
SDO Representative	Nicole Stubing			
SDO Representative	John Wilson			
FNC Project Manager	Alan Snow			
FNC Quality Manager	Pip Baudert			

Changes to the Fish Names Committee during the life of this project have been:

- Simon Boag was replaced by Renee Vajtauer on 22 October 2018.
- Mark Boulter replaced Norm Grant as the Seafood Importers Association representative.
- FRDC approved a new appointment, Lisa McKenzie, to represent the Department of Agriculture and Water Resources.
- FRDC approved a new appointment, Karen Gowlett-Holmes to represent CSIRO Fish and Invertebrates Taxonomy, particularly because of Karen's knowledge of invertebrates.
- FRDC approved a new appointment, Kerry Strangas to represent independent Fish Retailers.



Figure 3 Al Graham from CSIRO conducting a tour of the fish collection to FNC

Streamlined procedures of the FNC

The Project Manager and the FNC are continually looking for ways to increase efficiency and cost effectiveness.

The Fish Names Committee uses more innovative methods for undertaking stakeholder consultation on proposed amendments to the names used in the Australian Fish Names Standard.

A technology-based solution has been developed and a weblink is emailed directly and indirectly to about 5000 potentially affected stakeholders. This allows for direct comment which allows the Fish Names Committee to directly understand the comments and concerns raised about potential name changes. The feedback from all stakeholders is collated and incorporated into the original application and recorded for access at any time in the future by any interested stakeholder thus ensuring full transparency of decision making.

All FNC Members have access to a FNC Members SharePoint area of the FRDC website where they have access to all FNC related information including agendas, applications, background papers, and correspondence.

FNC has adopted a procedure where every application is initially considered for provisional approval.

Provisional approval is normally given where the proposed amendment is in accordance with the protocols and is considered non-contentious.

Fish Names Committee - Transparency and Succession Planning

A key objective of this project was, "To develop procedures to document each component of the Fish Names process to provide for "succession planning""

A major activity during this project has been to upload and reference all FNC documentation dating back to FNC 1 held in 1999 to the FRDC FNC member SharePoint website where they are accessible for members who have a login.

FBCX member Gordon Yearsley, previously from CSIRO Fish Taxonomy, has indicated that he has additional documentation which should be added in the future. This data will be uploaded and referenced during the lifespan of this project. This documentation also includes Fish Names papers held by Peter Last.

All entries in the metadata behind the AFNS has been updated with the application number which provides for full tracking of all applications to amend the AFNS. IN the future when the searchable database is updated, this will allow anyone to look at an application and ne able to download the original application and the history behind the decisions relating to the application.

The FNC and the FNC Project Manager operate under a number of key documents that have been closely adhered to during the standards development activities:

- 1) The Standards Australia document, "Requirements for the Accreditation of a Standards Development Organisation SDAC-001 Version 2_1 9 January 2018 (SDAC)
- 2) FRDC Standards Development Policy that sets the overall policy direction for FRDC in its standards development activities;
- 3) FRDC Standards Development Procedure that provides guidance on all standards development activities and applies to all FRDC standards reference bodies (SRB's) including the Fish Names Committee;
- 4) FRDC Fish Names Committee Procedures which provides FNC specific guidance that relate to the FNC only.

FRDC and the Project Manager are continually updating documents 2, 3, and 4 to ensure that they continue their relevance and accuracy and provide guidance in the absence of the Project Manager.

The Project Manager has been mentoring Meaghan Dodd in FNC administrative procedures. Meaghan will be managing the project during the first three months on the next project.

The membership of the FNC is continually being changed to ensure there is a pool of people with knowledge of the process.

FRDC as the Standards Development Organisation

FRDC is accredited as a standard setting body responsible for the Australian Fish Names Standard and other potential standards within its scope as an accredited SDO.

The current FRDC scope of accreditation is, "To develop Australian Standards in the fields of terminology, sustainability, and operational practices in the fishing and aquaculture industry".

FRDC Board and Delegations

FRDC has delegated operations to the Fish Names Committee to develop and maintain the Australian Fish Names Standard subject to the following delegated authorities:

FRDC board responsibilities	FRDC Executive Director responsibilities	FRDC Standards Reference Body (SRB) responsibilities
<p>The FRDC board is responsible for all standards development activities; including to:</p> <ul style="list-style-type: none"> • set the policies under which the SRBs will operate; • determine the structural representation of the SRB (e.g. the Fish Names Committee); • give autonomy of the standards development process to the relevant SRB (e.g. the FNC); • Give final process approval to a draft standard to become an Australian Standard provided the appropriate FRDC standards development policies and procedures have been followed. 	<p>The FRDC Executive Director has operational responsibility for the management of all FRDC standard development activities; including:</p> <ul style="list-style-type: none"> • to implement FRDC policies in relation to Standards Development; • to ensure that all standards development procedures are implemented and followed by the specific SRB; • to appoint members to the SRB within the constraints of the structural representation approved by the FRDC Board (e.g. FNC); • to approve terms of reference for the SRB; • to approve the allocation of resources required for the SRB to undertake its work program; • to set reasonable target dates for achieving the milestones of draft for public comment and committee agreement on the final content of the draft Australian Standard; • to provide a standards development plan to SDAC • To communicate with Standards Australia 	<p>A FRDC SRB will:</p> <ul style="list-style-type: none"> • act independently and with authority in the standards development activity that it is tasked with (e.g. The Fish Names Committee is responsible for the determination of Standard Fish Names and technical matters relating to fish names); • Comply with relevant policies and procedures adopted by the FRDC board and the terms of FRDC's accreditation as a SDO. (e.g. To consider amendments to the Australian Fish Names Standard); • undertake standards development activities within the defined SRB Terms of Reference; • comply with the Code of Conduct for Standards Reference Body members while undertaking FRDC standards development activities; • develop the technical content of the draft standard; • Through the Project Manager, provide progress reports on the standards development to the FRDC.

Standards Australia Audits

The schedule for past and future Standards Australia audits is

2006	Seafood Services Australia accredited as a Standards Development Organisation
2007	Surveillance audit
2008	Surveillance audit
2009	Reaccreditation Audit of SSA
2010	Surveillance audit
2011	Surveillance audit
2012	Reaccreditation Audit of SSA
2013	Initial accreditation audit of FRDC by Standards Australia

2014	Surveillance Audit
2015	Surveillance Audit
2016	Re-accreditation audit
2017	Surveillance Audit
2018	Surveillance Audit
2019	Re-accreditation audit scheduled

FRDC and the Project Manager have incorporated all existing FRDC policies and procedures into the FNC operating procedures. This has resulted in no major or minor defects being observed and a couple of process improvement issues highlighted which have been incorporated.

Standards Australia 2019 Award

The FRDC Fish Names Committee was nominated for a Standards Australia award under the category of "Outstanding Committee" which states "The award recognises standards committees that go the extra mile. Through consistent teamwork and commitment, the standards published by these committees make a change for the good in industry and improve quality of life within communities."

The Project Manager was advised by Standards Australia that the Fish Names Committee has been recognised as the 2019 winner of the Outstanding Committee Award

Winners were recognised at a dinner with Standards Australia board members, executive team and senior leadership team in Melbourne on Thursday 30 May 2019.





Figure 4 Patrick Hone, Alan Snow, and Gus Dannoun receiving the award from Richard Brooks, Chair of Standards Australia Board

Key Meetings with Standards Australia

A meeting was held with Standards Australia on 8 May 2019. John Wilson, Pip Baudert and Alan Snow attended the meeting. There were no major issues raised and in general, FRDC are recognised as being a good standards development organisation with good standards development procedures.

Standards Australia officers said that, because FRDC was operating effectively as an SDO, they were happy to let FRDC “do their own thing” and just contact them if there were any issues that needed clarification or attention.

FRDC were given the opportunity to have articles included in the monthly Standards Australia e-News which has a very wide distribution. FRDC have taken up the offer.

An SDO Round Table was held on 4 June 2019. All SDO’s attended the meeting. FRDC was represented by Alan Snow and Pip Baudert.

Australian Standard for Aquatic Plant Names

FRDC asked the Fish Names Committee to consider the development of Standard Names for Aquatic Plants.

FNC 32 discussed the possibility of developing an Australian Standard for Marine Plants which would focus initially on edible marine plants.

Two options were considered

- Add Marine Plants to the existing standard; or
- Develop a new Australian Standard for marine plants

Option	Add marine algae to the Australian Fish Names Standard	Develop an Australian Standard for marine plants
Scope	The standard exists but the scope would need to be amended to add marine plants.	The standard would be developed as a unique standard with a defined scope.
Project Plan	A project development plan with nett benefit has already been completed.	A project development plan with a nett benefit cost analysis would need to be developed.

Option	Add marine algae to the Australian Fish Names Standard	Develop an Australian Standard for marine plants
Development of the standard (including part 1)	The standard has already been developed and is due to be published again in 2018	<p>The standard will need to be developed but Part 1 from the AFNS would form the basis for the new standard with only minor amendments to reference plants instead of fish.</p> <p>A new standard would need to be published.</p> <p>The opportunity would be available to include images of the relevant marine plants thus increasing the potential for a revenue stream from sales of the standard.</p>
Constitution of the Standards Reference Body	<p>The Fish Names Committee (FNC) is in operation but may not collectively have the skills and knowledge to decide on appropriate names for marine plants. The FNC could be expanded to include the expertise.</p> <p>The current FNC has 13 members plus a chair and project manager</p> <p>There may be some cross membership between the FNC and a group to consider names for marine plants.</p>	<p>A specific Standards Reference Body (SRB) would need to be established with a much smaller membership than the current FNC due to a smaller group of stakeholder groups.</p> <p>FNC member Karen Gowlett-Holmes indicated that she is the custodian for the marine plants entries in the Codes for Australian Aquatic Biota (CAAB) database (http://www.cmar.csiro.au/caab/) and can provide expertise.</p> <p>The section of the industry that deals with edible algae is well known and would be easily accessed.</p> <p>The SRB would possibly include</p> <ul style="list-style-type: none"> • Chair • CSIRO representative • Department of Agriculture representative • Producers and processors representatives (2) • Herbarium representative • Project Manager/ secretary
Meetings of the SRB	<p>Consideration of proposals to add names for marine plants to the AFNS would be part of the normal meeting agenda</p> <p>A working group could be established to workshop names and make recommendations to the FNC for approval of the proposed names</p>	<p>The SRB for marine plants would initially meet to develop and approve the initial list of names and would then only need to meet as required.</p> <p>This SRB would probably meet every two years.</p>
FRDC searchable database	The public interface of the AFNS is the searchable database at www.fishnames.com.au which would need modification to indicate that edible algae are included in the searchable data	It is envisaged that the same searchable database would be used with a notation that the search includes marine plants in addition to fish names.

The FNC recommended to FRDC that an Australian Standard for Aquatic plants should be developed as a standalone project. Project funding has been approved as FRDC 2017-212 which is proceeding.

Fish Names Extension Activities

FNC has recognised that some of the decisions that it has made need to be further explanation. Despite widespread consultation, the decisions need to be fully articulated. FNC has determined that a set of fact sheets for “problem species” should be developed to help inform people on the background of the name selection.

The Fish Name Fact Files will be available on the Fish Names Website and give the background as to why a name is used for particular species and exactly what the Standard Name covers. This would facilitate the dissemination of accurate information about a particular fish name (e.g., Flake). It would also educate and resource someone who would like to submit an application to change a name.

Each Fact Sheet would include information on the relevant Standard Name selection protocol(s). The Fish Name Fact Files – Flake discusses the problems caused when retailers apply the name ‘Flake’ to any chondrichthyan.

The list of species to be included is not exhaustive but will initially include:

- Flake
- Basa
- Barramundi
- Mud Crabs
- South American Flathead

Examples of the Fish Name Fact Files are included in [Appendix 4 – Fish Names Fact Files](#)



Figure 5 Patrick Hone welcoming guests to an industry gathering in Hobart

Stakeholder Consultation Survey about the FNC Operations and Need for Standard Fish Names

The FNC needed to develop a benefit cost analysis of the fish names project.

FNC determined in 2018 that it should commission a stakeholder consultation to determine:

1. What stakeholders believe are the main benefits to be achieved from use of the Australian Fish Names Standard;
2. Where stakeholders believe there are deficiencies in the current process and where process improvements can be made.

The strategy took three forms:

1. An online survey was developed and distributed widely through the seafood industry
2. Phone calls were made to a small set of identified key stakeholders who requested a call back as part of the survey
3. All feedback received through the fish names process over the past three years was collated and analysed.

The online survey was developed through Google Forms and was distributed widely through the seafood industry with a request for recipients to on-forward through their distribution lists.

The list of recipients included:

- Stakeholders who had previously responded through the fish names process;

- Individuals who had previously submitted an application to amend the AFNS;
- Key industry stakeholders and distribution through their networks.

The key questions asked in the survey were:

- 1) Identification of the stakeholder group of the respondent;
- 2) Questions about usability of the searchable database at www.fishnames.com.au to find a standard fish name;
- 3) Overall benefits and why the respondent would use Standard Fish Names;
- 4) Future challenges around the fish names process;
- 5) Feedback as to how the fish names process can be improved and where stakeholders believe their specific needs are not being met;
- 6) Questions about the importance of some of the protocols used for determining fish names;
- 7) Specific questions to individuals and organisations who have previously applied to amend the AFNS;
- 8) An opportunity to make any further comments not covered previously.

The survey had a very good response but did receive a higher response from respondents who identified as recreational fishers as well as other sectors. This was possibly because many respondents were seafood professionals in addition to being a recreational fisher.

In general, the survey was very supportive of the fish names process with some actions identified that FNC will need to address in the future.

The key recommendations emanating from the draft report were:

- 1) Investigate strategies to obtain more awareness and usage of the Australian Fish Names Standard from the retail sector.
- 2) The existence and the usability of the fish names website needs to be promoted at all opportunities across all sectors from catch/harvest to end consumer
- 3) Review current images and update with multiple, quality images for as many species as possible on the website www.fishnames.com.au.
- 4) A link from the species page to the SAFS web pages should be investigated
- 5) Possibility to allow wildcard searching in the search screen should be investigated
- 6) Review current layout and specie information to ensure easy to read and accuracy.
- 7) Fish Names Committee to monitor the reasons stakeholders use the Australian Fish Names Standard when considering proposed amendments to the AFNS and ensure the reasons are met as much as practicable.
- 8) Fish Name Committee to consider each of the species related comments and develop an action plan to amend if necessary.
- 9) Fish Name Committee to consider the common challenges identified by stakeholders and develop a strategy to address the concerns
- 10) Fish Name Committee align suggested improvement with challenges and create an overall action plan to address both challenges and improvements and communicate to all stakeholders
- 11) FNC to review the fish names protocols based on the responses of the survey
- 12) FNC to review all over feedback and determine what actions should be taken.
- 13) The final report of the survey to be made available on the FRDC and those respondents who provided an email address to be made aware of its existence.
- 14) Secretariat to follow-up with actions required from these calls
- 15) The raw data from the survey to be closely examined for trends relating to specific sectors

Response to the Survey

The key metrics relating to the survey were:

Start date	15 October 2018
End date	30 November 2018

Distribution methods	<ul style="list-style-type: none"> • Initial email to 450 recipients • Distribution through FNC to their contacts • Distribution through FRDC stakeholder lists • Distributions through WISA (was WINSC) stakeholder lists • FRDC Social media • Social media through other industry groups (e.g. WISA, Intuitive Food Solutions)
No. of overall responses received	242

The data will be closely examined, and an action plan developed in the coming months.

A draft action plan has been developed and is included in [Actions from the Stakeholder Consultation.](#)

Conclusion and Recommendations

This project has achieved all that it set out to and more. There is always room for improvement and the list below will form the basis for the work plan over the coming period.

Updated Fish Names Website with improved functionality

The Fish Names Website will continue to be upgraded and provide further functionality as the need arises.

As outlined previously, the functionality to find the history of a decision has been enabled through linking the original application number to the species in the database.

Continued expansion of the AFNS

The AFNS will continue to be expanded and more species added as required.

During the course of this project, a number of key invertebrates have been added to the AFNS. This has continued to ensure that the AFNS meets the needs of stakeholders.

Where a large number of species were previously marketed under the group name, species are now being sold with different price points which has meant that the FNC has had to develop agreed names for these species.

AFNS processes to be self-funding

The need to have fish names self-funding is recognised.

This will be difficult to achieve the balance as to the degree of public and private good components of the AFNS.

A number of options have been raised previously and will continue to be explored.

FNC has commenced imposing a fee on applicants to submit an application to the committee. There has not been a huge negative reaction to the strategy.

Increased uptake of the AFNS

The stakeholder consultation survey has indicated that stakeholders do see benefit in the standard and the associated processes, but the lack of compliance/awareness observed across management agencies, industry and research institutions suggests that this is where extension effort for the fish names process should be focused.

The FNC remains committed to the view that in Australia, use of the names in the Australian Fish Names Standard should be mandated. This can best be achieved through Standard 2.2.3 of the Food Standards Code.

The FNC has previously put submissions in this regard to the FSANZ and will be continuing to push this view.

The use of the names in the AFNS have been referenced by most fisheries agencies. Use needs to be taken up by the food safety agencies.

Increased marketability of species

The original aim of the fish names process in 1999 was to look at marketing names of seafood in Australia. There is a concern that the FNC has deviated from this position.

As such, there will be increased emphasis on marketable names for species while remaining consistent with the fish naming protocols and in particular, the one name per species protocol.

This may need some innovative thinking from the FNC.

Extension activities

Further Fish Name Fact Files will be developed as required. These fact sheets will determine why FNC made a particular decision and give guidance to adherence to the decision.

FRDC further recommended that a set of fact sheets on other key issues be developed in consultation with FRDC

- How to handle shortening of names and stay consistent with the protocols; (e.g. Snapper for Tropical Snapper, Kingfish for Yellowtail Kingfish)
- How to handle branding issues within the fish names protocols (e.g. Skull Island Prawns); How to add branding to a name
- How to handle market names v non-marketing names;
- If COOL is to be used, how to use in naming e.g. place names Localities
- A Fact sheet on the China/Export list, particularly the importance of scientific names
- Indigenous naming – a suggestion to try to develop a list of 50 regional names, tourism names
- Issue about sub products of products, roe, how to use a sub product how to use a byproduct e.g. Is it Atlantic Salmon Caviar or is it Salmon Caviar

Actions from the Stakeholder Consultation

An action plan has been developed to address the actions emanating from the 2018 Stakeholder Consultation strategy.

The draft list of issues to be addressed has been listed previously. This list will be further discussed at the upcoming FNC 36 meeting.

Recommendation No	Action No	Action	Responsibility
1. Investigate strategies to obtain more awareness and usage of the Australian Fish Names Standard from the retail sector.			
1	1	FNC members from a specific stakeholder group are to promote the AFNS and the searchable database at every opportunity	FNC Project Management group FNC stakeholder group representatives
1	2	FBC to develop strategic seafood contacts at Coles and Aldi	FNC Project Management group
	3	FRDC to continue to promote the fish names website and fish names activities through social media and updates with the specific industry sectors	FRDC Communications team

Recommendation No	Action No	Action	Responsibility
1	4	Russell Conway to address the issue of collaboration and distribution of information across the recreational sector bodies including all state recreational fishing bodies to address the perceived lack of information through the recreational sector	Russell Conway
2. The existence and the usability of the fish names website needs to be promoted at all opportunities across all sectors from catch/harvest to end consumer			
2	5	All FNC members to promote through all avenues and distribution lists at every opportunity	FNC stakeholder group representatives
2	6	FRDC to promote the existence and usability of www.fishnames.com.au at all opportunities	FRDC Communication teams
2	7	Need to create a link from the www.fishnames.com.au page, possibly in the About Fish Names tab to the "Submit a Fish Names Application" page	FRDC web development team
3. Review current images and update with multiple, quality images for as many species as possible on the website www.fishnames.com.au .			
3	8	Agree with the comment but is a work in progress. Collaboration with CSIRO?	FRDC web development Linkages through CSIRO
4. A link from the species page to the SAFS web pages should be investigated			
4	9	Where possible, create a hyperlink from the individual species page in the searchable database to the entry in SAFS	FRDC web development team
5. Possibility to allow wildcard searching in the search screen should be investigated			
5	10	The search screen on www.fishnames.com.au maybe needs to be explained a bit more Look at a help box when you hover the mouse over a field?	FRDC web development team
6. Review current layout and species information to ensure easy to read and accuracy.			
6	11	No action because all information is available	
7. Fish Names Committee to monitor the reasons stakeholders use the Australian Fish Names Standard when considering proposed amendments to the AFNS and ensure the reasons are met as much as practicable.			

Recommendation No	Action No	Action	Responsibility
7	12	Review the protocols against stakeholder feedback at the next FNC Meeting	FNC Project Manager FNC
8. Fish Name Committee to consider each of the species related comments and develop an action plan to amend if necessary.			
8	13	Develop a set of species related fact sheets and fish names issues fact sheets NOTE – Currently under development	FNC Project Manager FNC
	14	Circulate Fish Fact Files through News Updates	FNC Project Manager
	15	List Fish Fact Files on the Fish Names website, link to the species if possible	FNC Project Management FRDC web development team
	16	Revisit the Jade Perch fish names application	FNC Project Manager FNC
	17	Review the Fish Names Applications form at next FNC Meeting to see if there could be further clarity	FNC Project Manager FNC
9. Fish Name Committee to consider the common challenges identified by stakeholders and develop a strategy to address the concerns			
9	18	Relist all challenges identified in the Stakeholder Consultation on agenda at next FNC meeting	FNC Project Manager FNC
10. Fish Name Committee align suggested improvement with challenges and create an overall action plan to address both challenges and improvements and communicate to all stakeholders			
10	18	Relist all challenges identified in the Stakeholder Consultation on agenda at next FNC meeting	FNC Project Manager FNC
11. FNC to review the fish names protocols based on the responses of the survey			
11	12	Review the protocols against stakeholder feedback for relevance at the next FNC Meeting	FNC Project Manager FNC
12. FNC to review all over feedback and determine what actions should be taken.			
12	19	Develop an action plan based on the stakeholder consultation Under way	FNC Project Manager FNC
13. The final report of the survey to be made available on the FRDC and those respondents who provided an email address to be made aware of its existence.			

Recommendation No	Action No	Action	Responsibility
13	20	Final report to be distributed to interested stakeholders through all avenues	FNC Project Manager FNC
14. FNC Project Manager to follow-up with actions required from these calls			
14	21	Follow up Page 20, 27 and 28 Most have been completed	FNC Project Manager FNC
15. The raw data from the survey to be closely examined for trends relating to specific sectors			
15	22	Extract data from the stakeholder consultation survey for each of the sector representatives on the FNC	FNC Project Manager FNC

Extension and Adoption

The key extension components of this project have been

COMPONENT	STRATEGY
Promotion of fish names	At every opportunity All parties have a role to play Fish names will become integral to all operations through the FRDC commitment
Advertising proposed amendments	FRDC resources which circulates through both email and social media sites Email distribution to FNC members with a request for them to on-forward to their respective membership or distribution lists
Advertising successful changes to the AFNS (e.g. Flake)	FRDC media and social media channels used to disseminate media release outlining the changes.
Various Fact Sheets about proposed amendments	A number of ad hoc fact sheets have been developed which gave a background to proposed names that were the subject to FNC consideration. These were distributed to affected stakeholders for information. Topics included Mud Crabs, Sea Cucumbers, Rock Lobster species, etc.

Appendices

Appendix 1 – Complete List of FNC Meetings

MEETING	DATE	VENUE
FNC 1	18-19 June 2001	Canberra (FRDC Board Room)
FNC 2	30 November 2001	Brisbane (Virginia Palms Conference Centre)
FNC 3	29 April 2002	Sydney (Qantas Club, Sydney Airport)
FNC 4	7 October 2002	Sydney (Holiday Inn, Sydney Airport)
FNC 5	10-11 March 2003	Sydney (Sydney Fish Market)
FNC 6	16 September 2003	Fremantle (Italian Club, Marine Terrace)
FNC 7	4 March 2004	FRDC Board Room Canberra
Common Names Workshop	21-22 September 2004	Adelaide
FNC 8	22 September 2004	Adelaide
Fish Identification Workshop	8 November 2004	CSIRO Hobart
FNC 9	8 March 2005	Canberra
FNC 9a	20 June 2005	Brisbane
FNC 10	14 October 2005	Hobart
FNC 11	24 March 2006	Sydney (Sydney Fish Market)
FNC 12	31 May 2006	Teleconference
FNC 13	27 September 2006	Melbourne
FNC 14	12 April 2007	Canberra
FNC 15	30 October 2007	Hobart, Seafood Directions
FNC 16	11 April 2008	Sydney Fish Market, Sydney
FNC 17	1 October 2008	Brisbane
FNC 18	1 April 2009	Adelaide
FNC 19	17 November 2009	Brisbane
FNC 20	11 November 2010	Melbourne
FNC 21	24 November 2011	Adelaide
FNC 22	22 March 2012	Teleconference
FNC 23	22 March 2013	Sydney (Sydney Fish Market)
FNC 24	12 November 2013	Teleconference
FNC 25	13 March 2014	Holiday Inn Melbourne Airport
FNC 26	20 November 2014	Sydney (Sydney Fish Market)
FNC 27	30 March 2015	Teleconference
FNC 27a	5 August 2015	Teleconference
FNC 28	27 November 2015	Teleconference
FNC 29	22 April 2016	Teleconference
FNC 30	25 and 26 August 2016	Canberra
FNC 31	15 March 2017	Teleconference
FNC 32	26 September 2017	Sydney Fish Market
FNC 33	8 May 2018	Teleconference
FNC 34	4-5 September 2018	Hobart
FNC 35	8 May 2019	Teleconference

The weblinks to all meetings during the life of this project are included

Appendix 2 – FRDC Project Proposal and Development Plan

Proposed Standards Activity	Review of the Australian Fish Names Standard
Scope	<p>The AFNS defines standard fish names for use in Australia and specifies when standard fish names are to be used. Annex A lists the approved standard fish names and forms part of this Standard.</p> <ul style="list-style-type: none"> • The AFNS provides guidance on complying with requirements for the use of standard fish names in Australia, and is intended for use by people and businesses involved with fish or seafood in Australia. • This amendment seeks to update Annex A of the Australian Fish Names Standard and to make minor corrections to the content of the standard. <p>This amendment also seeks to amend the AFNS and to rebadge as a FRDC document following the accreditation of FRDC as a Standards Development Organisation.</p>
Objectives	<p>Use of standard fish names in Australia, as defined in this Standard, achieves outcomes that are consistent with the aims of industry and governments, including:</p> <ol style="list-style-type: none"> 1) Improved monitoring and stock assessment enhances the sustainability of fisheries resources; 2) Increased efficiency in seafood marketing improves consumer confidence and industry profitability; 3) Improved accuracy in trade descriptions enables consumers to make better informed choices when purchasing seafood and reduces the potential for misleading and deceptive conduct; 4) More efficient management of seafood related public health incidents and food safety through improved labelling and species identification reduces public health risk; 5) To enhance the marketability and consumer acceptability of the standard fish names used for a species.
Ned for Proposed Standard	<p>Public and consumer confidence is supremely important to the well-being of Australia's \$2.5 billion seafood industry. Standard fish names remove confusion, strengthen consumer confidence, create market efficiency, underpin effective species-based fisheries management, and improve management of food safety.</p> <p>Australia has over 4500 native species of finfish, and many more crustaceans and molluscs. Several hundred of these species are important commercially, and many others support recreational activities such as fishing and diving. Australia also imports seafood products consisting of many other fish species from around the world to help satisfy the increasing demand for seafood.</p> <p>Confusion over fish names has been caused by the numerous species Australia has on offer, a species being known by more than one name, or the same name being used for more than one species. As early as the 1920s, meetings were held in Sydney to</p>

	<p>discuss fish names as the local and regional variations were becoming apparent.</p> <p>Extensive work on standardizing names used for fish in Australia has been undertaken since the early 1980s by industry, governments, scientists and other stakeholders. Major progress has been made since 1992 as a result of strategic investments by the Fisheries Research and Development Corporation. SSA has maintained this momentum since it accepted responsibility for standardizing fish names in 2001, culminating in the development of the Australian Fish Names Standard AS-SSA 5300-2007(AFNS).</p> <p>The Australian Fish Names Standard includes agreed names for over 600 commercially important domestic and imported species of fish, and over 4,000 other domestic finfish. The process of assigning these agreed names drew on the expertise of several of the world's best fisheries taxonomists and other key stakeholders.</p> <p>The development and maintenance of the AFNS is underpinned by rigorous procedures that have been agreed to by government, industry and other stakeholders over the last two decades and which are administered by SSA and its Fish Names Committee</p> <p>Use of standard fish names in Australia, as defined in the AFNS, achieves outcomes that are consistent with the aims of industry and governments.</p> <ol style="list-style-type: none"> 1) Improved monitoring and stock assessment enhances the sustainability of fisheries resources. 2) Increased efficiency in seafood marketing improves consumer confidence and industry profitability. 3) Improved accuracy in trade descriptions enables consumers to make more informed choices when purchasing seafood and reduces the potential for misleading and deceptive conduct. 4) More efficient management of seafood related public health incidents and food safety through improved labelling and species identification reduces public health risk.
a broad base of support for the development of the proposed Standard;	<p>There is wide support for the Australian Fish Names Standard from catcher to consumer. Many of these sectors are directly represented on the Fish Names Committee.</p> <p>This support was tested in November December 2018 where there was demonstrated evidence of a high level of support</p>
the Net Benefit of the standard	<p>Support for innovation trade and economic benefit</p> <p>There has been a lot of confusion for many years as to the species of fish and the variation in names used. This standard proposes to remove this confusion</p> <p>Adherence to the names used in the AFNS will facilitate seafood trade and assist end users and consumers through knowing what they are purchasing</p> <p>Advancement of the health, safety and wellbeing of the community</p>

	<p>Adhering to the names proposed in this standard will greatly benefit the end-user by knowing what they are purchasing and consuming.</p> <p>This is particularly important for the health of people with very specific allergies.</p> <p>Protection of the natural environment.</p> <p>Use of the name proposed in this standard will assist in managing fish stocks through the alignment of the names used in documents such as the Stock Status Report and catch data and recordings.</p> <p>International competitiveness.</p> <p>The use of Standard Fish Names throughout the chain ensures that there are no barriers to trade</p>
Any International Standard of relevance	<p>Nil</p> <p>This standard is unique to Australia and has no relevance in other countries</p>

The objectives of revision of AS 5300	The FRDC Fish Names Committee conducts ongoing reviews and accepts submissions for amendments to the Australian Fish Names Standard to ensure that stakeholder needs are being met
The specific groups to take part in the revision of the Standard	The SRB responsible for this activity is the Fish Names Committee.
The Standards development process to be followed	<p>The Fish Names policies and procedures that guide the standards development activities harmonise with existing FRDC quality procedures.</p> <ul style="list-style-type: none"> Standards Development Policy that sets the overall policy direction for FRDC in its standards development activities; Standards Development Procedures provides guidance on all standards development activities and applies to all Standards Reference Bodies (SRB). Fish Names Committee Procedures provides guidance to the FNC on additional procedures that relate to the FNC only. <p>These documents are continually being reviewed and updated as necessary.</p>
The anticipated timeframe for completion of the proposed Standard and how this meets the needs and expectations of the specific user group, industry, government and the community; and	This is an ongoing standards development activity with a new version to be published every three years.

Any dependencies that may impact the timely completion of the Standard.	Nil
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Appendix 3 – Australian Fish Names Standard AS 5300-2019


The Australian Fish Names Standard AS 5300-2019 has been published as indicated previously.

The revised version of the standard was published on 24 June 2019 and is available through SAI Global at https://infostore.saiglobal.com/preview/481378391854.pdf?sku=111200_SAIG_AS_AS_2741382.


The Standard can be downloaded from FRDC at


https://frdc1.sharepoint.com/:b:/s/FishNames/Ed3iT4XpRPxlpYQMd-y_IVkBGRIk0o-vSdfetuCiXcrJw

AS 5300—2019

 **Australian STANDARD**

Australian Fish Names Standard





This Australian Standard[®] was prepared by the Fisheries Research and Development Corporation (FRDC) Fish Names Committee, the Standards Reference Body responsible for the technical content of the Australian Fish Names Standard. It was approved by the FRDC Board on 12 June 2019.

This Standard was published on 24 June 2019.

This Standard includes amendments to Annex A that have been approved by the Fish Names Committee at meetings on 27 November 2015, 22 April 2016, 25 August 2016, 15 March 2017, 26 September 2017, 8 May 2018, 4 September 2018 and 8 May 2019.

The FRDC wishes to acknowledge the participation of the expert individuals who contributed to the development of this Standard through their representation on the Fish Names Committee.

Gus Dannoun	Independent Chair
Anni Conn	Deputy Chair and Expert Member (seafood marketing)
Anthony Mercer	Expert Member (seafood processors)
Don Tuma	Expert Member (seafood marketing fish and invertebrates taxonomy)
Glenn Austin	Expert Member (hospitality)
Gordon Yearsley	Expert Member (fish taxonomy)
Hannah Allen	Expert Member (major supermarkets)
Jason Gibson / Sean Sloan	Australian Fisheries Management Forum
Karen Gowlett-Holmes	CSIRO Fish and Invertebrates Taxonomy
Korri Strongas	Expert Member (independent fish retailers)
Lisa McKenzie	Australian Government Department of Agriculture and Water Resources
Mark Boulier / Norm Grant	Expert Member (seafood imports)
Renee Vajbauer	Australian Seafood Industry Appointee
Russell Conway	Expert Member (recreational fishing)
Alan Snow	Project Manager

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Keeping Standards up-to-date

Australian Standards are living documents that reflect progress in science, technology and systems. To maintain their currency, all Standards are periodically reviewed, and new editions are published. Between editions, amendments may be issued.

Standards may also be withdrawn. It is important that readers assure themselves that they are using a current Standard, which should include any amendments that may have been published since the Standard was published.

Detailed information about Standards Development Organisation Standards, drafts, amendments and new projects can be found by visiting www.frdc.com.au, www.seafoodstandards.com.au and www.fishnames.com.au

Feedback

The FRDC welcomes suggestions for improvements and encourages readers to notify us immediately of any apparent inaccuracies or ambiguities. Contact us at:

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Fish Name Fact File No 1

Basa

The FRDC Fish Names Committee is responsible for the maintenance and ongoing development of the Australian Fish Names Standard (AS 5300). The FNC makes decisions on the Standard Fish Names to be used for all species traded in Australia. Decisions made by the FNC are based on the fish name protocols that give guidance to names, and stakeholder feedback.

Most FNC decisions are straightforward and/or non-contentious but, in some cases, the background to the name selection and the FNC reasons need to be fully articulated.

This is one of a series of fact sheets about fish species that the FNC has considered and that need further explanation. The fact sheet provides the background as to how the name was selected and why it was approved.

Background to FNC Decision

Basa is a farmed white fleshed fish of the Pangasiidae family which is imported in large volumes from south-east Asia, where it is predominantly farmed in ponds, tanks and cages.

Until June 2000 most imports of *Pangasius* species (mainly *P.hypophthalmus*) were labelled “Pacific Dory” or “Freshwater Fillets”.

The Fish Names Committee determined that the name ‘Pacific Dory’ was grossly inaccurate and misleading, and should not continue to be used for the following two reasons:

- the family Pangasiidae is not, nor related to, the dories and their relatives (Order Zeiformes);
- they are freshwater species and not from the Pacific Ocean.

In 2002, the Seafood Importers Association of Australasia proposed the name ‘Basa’ for all species of the Pangasiidae family, and ‘Royal Basa’ for *Pangasius bocourti*, which is the superior quality species and commands premium price.

After widespread public consultation, the FNC approved the names, BASA and Royal Basa. The name Basa is now widely used in the industry and is an internationally accepted name for the group.

Affected species

Approved Standard Fish Name	BASA	Royal Basa
Scientific Name	Pangasiidae (imported species)	<i>Pangasius bocourti</i>
Authority		Sauvage, 1880
CAAB Code	37 177750	37 177751
Redundant names or names NOT to be used	Pacific Dory, Mekong catfish, shark catfish	

FNC Application Number	App 061	App 060
Date of FNC Decision	29 April 2002	29 April 2002

Further Discussion and Clarification

Despite the generally widespread acceptance of the approved names, a number of unscrupulous or ill-informed retailers and food service outlets continue to use the name 'Pacific Dory' in attempt to deceptively capitalise on the popularity of other prized but unrelated species such as John Dory.

Consumers need to be aware that the use of the name Pacific Dory is not supported for members of the family Pangasiidae, and statements that Pacific Dory is an acceptable alternative name are incorrect.

Status of the Australian Fish Names Standard

Usage of the names included in the Australian Fish Names Standard is strongly encouraged but not currently mandatory.

Usage of the Australian Fish Names Standard is listed as an Advisory Note in the Australia New Zealand Food Standards Code - Standard 2.2.3 - Fish and Fish Products (see <https://www.legislation.gov.au/Details/F2011C00569>).

Fish Name Fact File No 2

Gummy Sharks and Flake

The FRDC Fish Names Committee is responsible for the maintenance and ongoing development of the Australian Fish Names Standard (AS 5300). The FNC makes decisions on the Standard Fish Names to be used for all species traded in Australia. Decisions made by the FNC are based on the fish name protocols that give guidance to names, and stakeholder feedback.

Most FNC decisions are straightforward and/or non-contentious but, in some cases, the background to the name selection and the FNC reasons need to be fully articulated.

This is one of a series of fact sheets about fish species that the FNC has considered and that need further explanation. The fact sheet provides the background as to how the name was selected and why it was approved.

Background to FNC Decision

In 2013, the Fish Names Committee (FNC) considered an application from the Southern Shark Industry Alliance to assign the Standard Fish Name 'Flake' to *Mustelus antarcticus*. Prior to this, the FNC had recognised that the name Flake was problematic as it was being applied to various species without consistency. Consumers had no idea what species any use of the term Flake referred to.

Gummy Shark (*Mustelus antarcticus*) had been known as Flake in the southern states since the 1920's, particularly in the fish-and-chips sector, but the name Flake was not quarantined for this one species and, over recent years, confusion reigned.

When ordering Flake, most consumers reportedly expected to receive Gummy Shark, but because the name was not a Standard Fish Name, other inferior quality and cheaper shark (and other) species such as some subtropical shark species were being marketed as Flake.

The 2013 application sought to quarantine the name Flake for the flesh of the Gummy Shark species *Mustelus antarcticus*. However, there was never any intention to rename the fish species Gummy Shark as Flake.

FNC also had to consider that the Standard Fish Name of Gummy Shark was already assigned to *Mustelus antarcticus* and the group name GUMMY SHARKS to all *Mustelus* species.

FNC was also aware that two *Mustelus* species (*M. antarcticus* (Gummy Shark) and *M. lenticulatus* (known as 'Rig' in New Zealand) have historically been sold in the fish-and-chips sector and are considered indistinguishable as a food product.

FNC therefore recommended that:

1. The name FLAKE should be reserved for the flesh of the two commonly marketed *Mustelus* species (i.e., Gummy Shark, *M. antarcticus* and the imported Rig, *M. lenticulatus*).
2. The new Standard Fish Name Rig should be added to the AFNS for *Mustelus lenticulatus*.

Affected Species

Approved Standard Fish Name	FLAKE (group name)	GUMMY SHARKS (group name)	Gummy Shark	Rig
Family	Triakidae	Triakidae	Triakidae	Triakidae
Scientific Name	<i>Mustelus antarcticus</i> & <i>Mustelus lenticulatus</i>	<i>Mustelus</i> spp	<i>Mustelus antarcticus</i>	<i>Mustelus lenticulatus</i>
Authority			Günther, 1870	Phillipps, 1932
CAAB Code	37 017907	37 017901	37 017001	37 017750
FNC Application Number	App 211			App 212
Date of FNC Decision	13/3/2014			20/11/2014
Redundant names or names NOT to be used		Australian smooth hound, flake, grey gummy shark, gummy, shark, smooth dog-shark, sweet William, white-spotted gummy shark	Southern Gummy Shark	
Notes	The name Flake applies to the flesh of the animal only. The species will still be known as Gummy Shark or Rig			

Further Discussion and Clarification

- The group name GUMMY SHARKS can be used for any of the *Mustelus* species, which includes Gummy Shark (*M. antarcticus*) and Rig (*M. lenticulatus*).
- The individual species names of Gummy Shark for *Mustelus antarcticus* and Rig for *Mustelus lenticulatus* can be used.
- The name FLAKE is the approved Standard Fish Name for the flesh of EITHER of the two species Gummy Shark (*Mustelus antarcticus*) and Rig (*Mustelus lenticulatus*).
- Group names are usually listed in their plural form (e.g., GUMMY SHARKS not GUMMY SHARK) but it is not appropriate to list 'FLAKES' because the term 'FLAKE' refers to the flesh product of the animal not the animal itself.
- Amongst the thousands of names on the AFNS, usage of the name 'Flake' is unique and the decision of the FNC to assign a Standard Name to a fish product rather than the fish itself is considered a once-off solution to a unique situation.

Status of the Australian Fish Names Standard

Usage of the names included in the Australian Fish Names Standard is strongly encouraged but not currently mandatory.

Usage of the Australian Fish Names Standard is listed as an Advisory Note in the Australia New Zealand Food Standards Code - Standard 2.2.3 - Fish and Fish Products (see <https://www.legislation.gov.au/Details/F2011C00569>).