



MRAG America, SCS Global Services, Control Union UK, bio.inspecta Pty. Ltd.,
DNV, LRQA

WCPO South Pacific albacore

Early Application of Section SE Announcement
12 April 2023

Marine Stewardship Council fishery announcement

This document announces that the following *Principle 1 stocks* are due to undergo the early application of Section SE against the Marine Stewardship Council (MSC) Standard v3.0 for sustainable fisheries.

The document provides you with contact information for the CABs that will be carrying out this assessment, and information about how you may get involved in the assessment process.

Table 1: Early Application of Section SE announcement.

1	Principle 1 Stock	
	South Pacific albacore	
2	Version details	
	Document	Version number
	MSC Fisheries Certification Process	Version 3.0 – Section SE (tool D v1.1)
	MSC Fisheries Standard	Version 3.0
	Assessment tree	Section SE
	MSC General Certification Requirements	Version 2.5
	MSC Fisheries Standard Toolbox	Version 1.1
3	Statement that the Principle 1 stock is within scope	
	<p>All CABs confirm that the fisheries under this assessment are within the scope of the MSC Fisheries Standard (v3.0 – 1.1 as required by 7.4-5 of the MSC Fisheries Certification Process v3.0):</p> <ul style="list-style-type: none"> • The target species is not an amphibian, reptile, bird or mammal (FCR3.0 – 1.1.1.); • All fisheries do not use poisons or explosives (FCR3.0 – 1.1.2); • The client groups do not include an entity that has been successfully prosecuted for a forced or child labour violation in the last 2 years (FCR3.0 – 1.1.7); • The client groups do not include an entity that has been successfully convicted for a serious crime in the last 2 years (FCR3.0 – 1.1.5); • The client groups have not been successfully prosecuted for shark finning in the last 2 years (FCR3.0 – 1.1.6); • All fisheries except Purse Seine operations are not enhanced fisheries (FCR3.0 – 1.1.3); please see rationales for enhanced fishery status for purse seine fisheries in their individual MSC assessment reports. • The fisheries are not an introduced species-based fishery (ISBF) (FCR3.0 – 1.1.4). <p>All CABs confirm that the client groups have submitted the completed ‘Certificate Holder Forced and Child Labour Policies, Practices and Measures Template’ prior to the start of this assessment.</p>	
4	Overlapping UoAs – Harmonisation	
	There are overlapping UoAs for the target stock undertaking this early application of Section SE. These are shown in Appendix 4.	
5	Majority agreement	
	This is a statement that the majority of UoCs have agreed to undertake early application as required by MSC Fisheries Standard Toolbox D1.1.1.2.	
6	Name of proposed team leader(s)	
	Name	Hugh Jones (CU UK)
	Areas of responsibility	Team Leader

Competency criteria (Annex PC)	<p>Dr Hugh Jones has a PhD in Ecotoxicology and strong background in marine research including publications and reports on ecotoxicology, environmental risk assessments and fisheries research. Prior to joining CU UK, he was employed as a fisheries scientist in the development of an empirical harvest strategy for commercial abalone fisheries and fisheries assessments of estuarine bivalves. This included work on population metrics (recruitment, growth), harvest dynamics (catch rates, market selectivity), and the use of fine scale geospatial techniques as performance measures to assess stock sustainability. Hugh has published peer review works on the trophic pathways of estuarine food webs and prey abundance in relation to environmental conditions. His work includes analysis of benthic abiotic and biotic attributes which determine the functional ecology of fish species. He has secured research funding for ecological studies of fish populations in relation to climate change, which consider the coupling between demersal and pelagic pathways. He has published research reports into the spatial variability of recruitment of commercially fished benthic species and its impact on community dynamics.</p> <p>In addition he has more than 6 years experience as a MSC assessor.</p> <p>Dr Jones has completed the Fishery Team Leader MSC training modules for the Fisheries Certification Process v.2.2 V3.0 training and ISO 9001 lead auditor training. Therefore, Hugh meets the Table PC1 (for team leaders)</p>
Conflict of interest in relation to this fishery	No conflict of interest has been identified for any fishery included in this audit.
On-site or off-site	On site

Name	Rob Blyth-Skyrme (LRQA)
Areas of responsibility	Team Leader
Competency criteria (Annex PC)	<p>Dr. Rob Blyth-Skyrme is a consultant with a strong interest and involvement in the development and assessment of all areas of fisheries management and policy. Rob completed a Masters in aquaculture in 1998, and a PhD that looked at the sociological and environmental performance of an inshore fishery in 2004. He now has more than 20 years post-graduate experience, having worked as a marine fish farmer, a scientist on a groundfish stock assessment project, a Deputy Chief Fishery Officer (inshore fisheries management and enforcement), a Government advisor on fisheries and nature conservation and, since 2009, as an independent fisheries consultant. He has now been involved in more than 100 MSC audits and assessments of fisheries for species including tuna, shellfish, groundfish, salmon and freshwater percids, employing gears including purse seines, demersal seines, trawls, dredges, gillnets, longlines, traps and pole and line. Rob is also an active member of the MSC's Peer Review College, and is a trainer with the MSC's Capacity Building Programme.</p> <p>Rob has passed all the MSC training requirements for Team Member and Lead Assessor, and has no Conflict of Interest in relation to this fishery. A full CV is available upon request.</p>
Conflict of interest in relation to this fishery	No conflict of interest has been identified for any fishery included in this audit.
On-site or off-site	On site

Name	Amanda Stern-Pirlot (MRAG)
Areas of responsibility	Team Leader
Competency criteria (Annex PC)	<p>Ms. Amanda Stern-Pirlot is an M.Sc graduate of the University of Bremen, Center for Marine Tropical Ecology (ZMT) in marine ecology and fisheries biology. Ms. Stern-Pirlot joined MRAG Americas in mid-June 2014 as MSC Certification Manager (now Director of the Fishery Certification Division) and is currently serving on several different assessment teams as team leader and team member. She has worked together with other scientists,</p>

	<p>conservationists, fisheries managers and producer groups on international fisheries sustainability issues for over 15 years. With the Institute for Marine Research (IFM-GEOMAR) in Kiel, Germany, she led a work package on simple indicators for sustainable fisheries within the EU-funded international cooperation project INCOFISH, followed by five years within the Standards Department at the Marine Stewardship Council (MSC) in London, developing standards, policies and assessment methods informed by best practices in fisheries management around the globe. Most recently she has worked with the Alaska pollock industry as a resources analyst, within the North Pacific Fisheries Management Council process, focusing on bycatch and ecosystem-based management issues, and managing the day-to-day operations of the offshore pollock cooperative. She has co-authored a dozen publications on fisheries sustainability in the developing world and the functioning of the MSC as an instrument for transforming fisheries to a sustainable basis.</p> <p>MRAG Americas confirms that Ms. Stern-Pirlot meets the competency criteria in Annex PC for team leader as follows:</p> <ul style="list-style-type: none"> • She has an appropriate university degree and more than three years' experience in management and research in fisheries; • She has passed the MSC team leader training; • She has the required competencies described in Table PC1, section 2; • She has passed the MSC Traceability training module; • She meets ISO 19011 training requirements; • She has undertaken two fishery assessments as a team member in the last five years, and • She has experience in applying different types of interviewing and facilitation techniques and is able to effectively communicate with clients and other stakeholders. 	
Conflict of interest in relation to this fishery	No conflict of interest has been identified for any fishery included in this audit.	
On-site or off-site	On site	
Name	Sabine Daume (bio- inspecta)	
Areas of responsibility	Team Leader	
Competency criteria (Annex PC)	<p>Dr. Daume is the Managing Director of bio.inspecta Pty Ltd, Centre for Seafood Certification based in Melbourne Australia. Dr. Daume has over 25 years' experience in fisheries and aquaculture research in Australia and overseas. She holds a PhD in marine biology from Australia and an MSc from Kiel University in Germany. Since 2009, Dr. Daume has led numerous MSC evaluation audits in Australia, USA, Canada, Mexico and Japan. These included full assessments and surveillance audits as well as assessments of tuna fisheries.</p> <p>Dr. Daume meets the competency criteria in Annex PC (MSC FCP v2.2) for team leader as follows:</p> <ul style="list-style-type: none"> • She has an appropriate university degree and more than five years' experience in fisheries research; • She has passed the MSC team leader training, including the traceability module and the MSC's Fisheries Standard v3.0 Overview of Changes. • She has the required competencies described in Table PC1, section 2; 	

	<ul style="list-style-type: none"> • She has undertaken more than two fishery assessments as a team member in the last five years, and • She has experience in applying different types of interviewing and facilitation techniques and can effectively communicate with clients and other stakeholders. • bio.inspecta Pty Ltd confirms that Dr. Daume has no conflicts of interest in relation to the fishery under assessment
Conflict of interest in relation to this fishery	No conflict of interest has been identified for any fishery included in this audit.
On-site or off-site	On site

Name	Jodi Bostrom (DNV GL)
Areas of responsibility	Team Leader
Competency criteria (Annex PC)	<p>Jodi's qualifications meet the competence criteria defined in Annex PC for team leader:</p> <ul style="list-style-type: none"> • Has an appropriate university degree and more than three years' experience as a team leader. • Has passed the MSC team leader training and is up to date on all trainings regarding modifications. • Has undertaken two fishery assessments as a team leader in the last five years. • Has experience in applying different types of interviewing and facilitation techniques and is able to effectively communicate with clients and various stakeholder groups. • Meets ISO 19011 training requirements.
Conflict of interest in relation to this fishery	No conflict of interest has been identified for any fishery included in this audit.
On-site or off-site	On site

Name	Gabriela Anhalzer (SCS Global Services)
Areas of responsibility	Team Leader
Competency criteria (Annex PC)	<p>Gabriela Anhalzer meets the MSC Team leader qualifications:</p> <ul style="list-style-type: none"> • Completed training meeting requirements in Table 1 of GCRV2.4, as evidenced by the certificate of passing auditor training for the ISO course 19011 (2016). • Holds a Masters degree in coastal environmental management, and has over five years' experience in the fisheries sector related to stakeholder management and facilitation. • Completed of the latest MSC training modules applicable to this assessment within the past five years (2019) . • Has undertaken several MSC fishery assessment and surveillance site visits as a team member in the last 5 years. • Has demonstrated experience in applying different types of interviewing and facilitation techniques, as verified by SCS records audit witness records and previous audit reports. • Is competent in the MSC Standard and current Certification Requirements, auditing techniques, and communication and stakeholder facilitation techniques, as verified by the completion of ISO 19011 auditor training (2016).
Conflict of interest in relation to this fishery	No conflict of interest has been identified for any fishery included in this audit.

On-site or off-site	On site
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7	Name(s) of proposed team members
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Name	Gerard DiNardo
Areas of responsibility	Principle 1
Competency criteria (Annex PC)	<p>Dr. Gerard DiNardo has over 25 years of experience as a research fishery scientist and senior manager for NOAA Fisheries in the United States, as well as extensive knowledge, understanding, and involvement in fishery issues and processes of tuna-RFMOs and RFOs. Ensuring sustainable development and management of fisheries, including the identification of research and plans of action to support effective management decision making has been the focus throughout his career, and with a strong background and understanding of international fisheries and MSC. He holds an MSc from Long Island University, C.W. Post Center and a Ph.D from University of Maryland, where his dissertation topic was FISHMAP: An Expert System for Sampling Fish Populations.</p> <p>Gerard was appointed as the Fisheries Resources Division Director of the Southwest Fisheries Science Center in San Diego, CA from 2015 to 2019. Previously, he held several positions at NMFS, including Supervisor of the Stock Assessment Program in the Fisheries Research and Monitoring Division at the Pacific Islands Fisheries Science Center. Dr. DiNardo was multiple publications related to the assessment of pelagic species, including tuna. He's held positions as Co-Chair of the Joint PICES/ISC Working Group on Ocean Conditions and the Distribution and Productivity of Highly Migratory Fish for the North Pacific Marine Science Organization, standing member of the NMFS National Stock Assessment Methods Steering Committee, science expert on the U.S.A. Delegation to the Western Central Pacific Fisheries Commission and Chair of the International Scientific Committee for Tuna and Tuna-like Species in the North Pacific Ocean (ISC).</p> <p>Dr. DiNardo has served as Principal 1 Team member on several purse-seine and longline MSC fishery tuna assessments managed under IOTC, WCPFC, IATTC, and ICCAT RFMOs. He offers extensive experience assessing the status and management of tuna stocks and their impacts on ecosystem elements in accordance with the MSC Standard and Fishery Certification Process.</p> <p>Dr. Gerard DiNardo's experience satisfies the MSC requirements for a Team Member as described in PC2 :</p> <ul style="list-style-type: none"> • With relevant degree (Ph.D. from the University of Maryland) and over 25 years of experience as a research fishery scientist and senior manager for NOAA Fisheries in the United States, verified by CV. • Has passed the MSC compulsory training modules for Team Members within the last 5 years (2019). <p>Dr. Gerard DiNardo's experience satisfies the MSC qualifications for 'Fish Stock Assessment' as described in PC3 with over 3-years' of experience applying relevant stock assessment techniques and working with species with similar biology. Gerard's experience is evidenced by his work as a stock assessment scientist and leader of the Stock Assessment Group at the NOAA Fisheries Pacific Islands Fishery Science Center (2006-2015). From 2010-2017, Dr. DiNardo chaired the ISC, and a major aspect of his duties was to ensure that all documents published by the ISC were considered best available science, particularly published stock assessments. During his tenure in this role novel blue and shortfin mako shark assessments were completed employing a production modeling platform.</p>
Conflict of interest in relation to this fishery	No conflict of interest has been identified for any fishery included in this audit.
On-site or off-site	On site

Name	Nick Hahlbeck
Areas of responsibility	Principle 1
Competency criteria (Annex PC)	<p>Dr. Nick Hahlbeck holds a B.S. in marine science and biology from the University of Miami, with minors in mathematics, computer science, and chemistry, as well as a Ph.D. in fisheries science with extensive coursework in mathematics and modeling from Oregon State University. He has conducted empirical research and statistical modeling studies in freshwater and marine fisheries and authored three peer-reviewed publications. His research has included topics such as fish ecology, bioenergetics and growth, and bycatch. As part of his research, he has collaborated extensively with academic institutions, state and federal agencies, non-profits, tribes, and recreational fishing communities, and has communicated scientific advice to other fisheries scientists, managers, and stakeholders. He has one year of post-graduate experience as an MSC assessor.</p> <p>Therefore, Gerard DiNardo and Nick Hahlbeck collectively meet the competency criteria for P1 assessors in Annex PC.</p>
Conflict of interest in relation to this fishery	No conflict of interest has been identified for any fishery included in this audit.
On-site or off-site	On site

8 Estimated timeline

Assessment stage	Date	Stakeholder Consultation Period
Fishery announcement	12 th April 2023	n/a – under the Tool D requirements there is no stakeholder engagement process prior to the one off meeting.
One off meeting	Commencing 17 th May 2023	<p>All stakeholders are invited by the team to arrange a meeting with the assessment team as part of the one off meeting either or remotely if the stakeholder is unable to attend in person.</p> <p>If attending in person the assessment team requests that a maximum of three persons per stakeholder attend.</p>
Peer Reviewer(s) Announcement	June 2023	Stakeholders will have a ten (10) day period to comment
Public Comment Draft Report (PCDR) published	August 2023	Stakeholders who have previously engaged in the assessment will have a thirty (30) day period to comment
Final Report (FR) & Draft Determination Published	October 2023	Stakeholders will have a fifteen (15) working day period to lodge an objection to Final Report and Draft Determination
Public Certification Report (PCR) published	November 2023	

9 One-off meeting

The one off meeting will be conducted on-site between the 17th – 25th May 2023, Honolulu, Hawaii, USA.

A key purpose of the site visit is to collect information and to speak to stakeholders with an interest in the fisheries. To achieve a robust outcome from this consultative approach, we rely heavily on participation of a broad range of stakeholders with a balance of knowledge of the fishery. We encourage any stakeholders with experience or knowledge of the fishery to

participate in the meetings. All stakeholders are invited by the team to arrange an in person meeting with the assessment team as part of the one-off meeting or remotely if the stakeholder is unable to attend in person. To arrange a meeting at the 'one off' audit, stakeholders are requested to use the following link <https://forms.gle/ayGyY3iUb2ASvPTW7>. NOTE: If a stakeholder intends to attend in person the assessment team requests that a maximum of three persons per stakeholder is adhered to.

On site attendees can make a hotel reservation as follows.

Ala Moana Hotel (410 Atkinson Blvd. Honolulu, Hawaii 96814) is located adjacent to the Ala Moana Shopping Center. Rates are \$189 for the Kona Tower (king bedding option only, no lanai), and \$219 for the Waikiki Tower (bedding option - king or two double beds, with a lanai), single/double occupancy, extra persons is \$50. Rates are subject to Hawaii State & County Taxes of 17.962%. Rates are valid 3 nights prior or post, based on availability. Cut-off date to make reservations is extended to April 15, 2023. Credit card deposit of one-night will be due at the time of booking a reservation. Please go to the following link to make your reservations, or call 808-955-4811 (direct) or toll-free (800) 367-6025. Go online to: <https://book.passkey.com/event/50531147/owner/11602/home>

Speedi-Shuttle

Book a ride on Speedi-Shuttle from the Airport to the Ala Moana Hotel for under \$20.00.

<https://www.speedishuttle.com>

Sun	Mon	Tue	Wed	Thu	Fri	Sat
14	15	16	17	18	19	20
None	Travel and arrangement days	Travel and arrangement days	AM: Client group opening meeting PM: Discuss scores and condition timelines ALB	AM: Scores and timelines YFT PM: Scores and timelines BET Individual meetings as needed	AM: Scores and timelines SKJ PM: Discuss next steps Individual meetings as needed	None
21	22	23	24	25	26	Note a remote client closing meeting will be arranged within the week 28 th May.
None	AM: General open session, cover process and answer general questions PM: ENGOs all stocks	ENGOs or delegations based on attendance, all stocks Individual meetings as needed	ENGOs or delegations based on attendance, all stocks Individual meetings as needed	Meetings with SPC and WCPFC Individual meetings as needed	Travel day	

10 Stakeholder participation in the fishery assessment

- For details of how stakeholders can participate in this fishery assessment, provide a link to the MSC's 'Engage with a fishery assessment' webpage
- Provide a link to the 'MSC Template for Stakeholder Input into Fishery Assessments'

Only stakeholders that participate in the one-off meeting or submit written information to the teams on Section SE Public Comment Draft Report (via the "MSC Template for Stakeholder Input into Fishery Assessments") will be eligible to object to the findings of the Section SE Final Report, if necessary, via the MSC Disputes Process. All stakeholders are invited to submit

comments on the fishery via the “MSC Template for Stakeholder Input into Fishery Assessments” available for download [here](#). For details of how stakeholders can participate in this fishery assessment, provide a link to the MSC’s ‘[Engage with a fishery assessment](#)’ webpage.

Submitted by: Emma Fain

Date: 12 April 2023

Appendix 1: Assessment team – summaries of CVs

See Section 6 Name of proposed team leader(s)

Name	Hugh Jones (CU UK)
Areas of responsibility	Team Leader
CV	<p>Dr Hugh Jones has a PhD in Ecotoxicology and strong background in marine research including publications and reports on ecotoxicology, environmental risk assessments and fisheries research. Prior to joining CU UK, he was employed as a fisheries scientist in the development of an empirical harvest strategy for commercial abalone fisheries and fisheries assessments of estuarine bivalves. This included work on population metrics (recruitment, growth), harvest dynamics (catch rates, market selectivity), and the use of fine scale geospatial techniques as performance measures to assess stock sustainability. Hugh has published peer review works on the trophic pathways of estuarine food webs and prey abundance in relation to environmental conditions. His work includes analysis of benthic abiotic and biotic attributes which determine the functional ecology of fish species. He has secured research funding for ecological studies of fish populations in relation to climate change, which consider the coupling between demersal and pelagic pathways. He has published research reports into the spatial variability of recruitment of commercially fished benthic species and its impact on community dynamics.</p> <p>In addition he has more than 6 years experience as a MSC assessor.</p> <p>Dr Jones has completed the Fishery Team Leader MSC training modules for the Fisheries Certification Process v.2.2 V3.0 training and ISO 9001 lead auditor training. Therefore, Hugh meets the Table PC1 (for team leaders)</p>

Name	Rob Blyth-Skyrme (LRQA)
Areas of responsibility	Team Leader
CV	<p>Dr. Rob Blyth-Skyrme is a consultant with a strong interest and involvement in the development and assessment of all areas of fisheries management and policy. Rob completed a Masters in aquaculture in 1998, and a PhD that looked at the sociological and environmental performance of an inshore fishery in 2004. He now has more than 20 years post-graduate experience, having worked as a marine fish farmer, a scientist on a groundfish stock assessment project, a Deputy Chief Fishery Officer (inshore fisheries management and enforcement), a Government advisor on fisheries and nature conservation and, since 2009, as an independent fisheries consultant. He has now been involved in more than 100 MSC audits and assessments of fisheries for species including tuna, shellfish, groundfish, salmon and freshwater percids, employing gears including purse seines, demersal seines, trawls, dredges, gillnets, longlines, traps and pole and line. Rob is also an active member of the MSC's Peer Review College, and is a trainer with the MSC's Capacity Building Programme.</p> <p>Rob has passed all the MSC training requirements for Team Member and Lead Assessor, and has no Conflict of Interest in relation to this fishery. A full CV is available upon request.</p>

Name	Amanda Stern-Piriot (MRAG)
Areas of responsibility	Team Leader

CV	<p>Ms. Amanda Stern-Pirlot is an M.Sc graduate of the University of Bremen, Center for Marine Tropical Ecology (ZMT) in marine ecology and fisheries biology. Ms. Stern-Pirlot joined MRAG Americas in mid-June 2014 as MSC Certification Manager (now Director of the Fishery Certification Division) and is currently serving on several different assessment teams as team leader and team member. She has worked together with other scientists, conservationists, fisheries managers and producer groups on international fisheries sustainability issues for over 15 years. With the Institute for Marine Research (IFM-GEOMAR) in Kiel, Germany, she led a work package on simple indicators for sustainable fisheries within the EU-funded international cooperation project INCOFISH, followed by five years within the Standards Department at the Marine Stewardship Council (MSC) in London, developing standards, policies and assessment methods informed by best practices in fisheries management around the globe. Most recently she has worked with the Alaska pollock industry as a resources analyst, within the North Pacific Fisheries Management Council process, focusing on bycatch and ecosystem-based management issues, and managing the day-to-day operations of the offshore pollock cooperative. She has co-authored a dozen publications on fisheries sustainability in the developing world and the functioning of the MSC as an instrument for transforming fisheries to a sustainable basis.</p> <p>MRAG Americas confirms that Ms. Stern-Pirlot meets the competency criteria in Annex PC for team leader as follows:</p> <ul style="list-style-type: none"> • She has an appropriate university degree and more than three years' experience in management and research in fisheries; • She has passed the MSC team leader training; • She has the required competencies described in Table PC1, section 2; • She has passed the MSC Traceability training module; • She meets ISO 19011 training requirements; • She has undertaken two fishery assessments as a team member in the last five years, and • She has experience in applying different types of interviewing and facilitation techniques and is able to effectively communicate with clients and other stakeholders.
Name	Sabine Daume (Bio inspecta)
Areas of responsibility	Team Leader
CV	<p>Dr. Daume is the Managing Director of bio.inspecta Pty Ltd, Centre for Seafood Certification based in Melbourne Australia. Dr. Daume has over 25 years' experience in fisheries and aquaculture research in Australia and overseas.</p> <p>Since 2009, Dr. Daume has led numerous MSC evaluation audits including tuna fisheries.</p> <p>Dr. Daume meets the competency criteria in Annex PC (MSC FCP v2.2) for team leader as follows:</p> <ul style="list-style-type: none"> • She has an appropriate university degree and more than five years' experience in fisheries research; • She has passed the 2020 MSC team leader training, including the traceability module; • She has the required competencies described in Table PC1, section 2; • She has undertaken more than two fishery assessments as a team member in the last five years, and • She has experience in applying different types of interviewing and facilitation techniques and can effectively communicate with clients and other stakeholders.

	<ul style="list-style-type: none"> • In addition, she has the appropriate skills and experience required to serve as a Principle 2 assessor. • bio.inspecta Pty Ltd confirms that Dr. Daume has no conflicts of interest in relation to the fishery under assessment
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Name	Jodi Bostrom (DNV-GL)
Areas of responsibility	Team Leader
CV	<p>Jodi's qualifications meet the competence criteria defined in Annex PC for team leader:</p> <ul style="list-style-type: none"> • Has an appropriate university degree and more than three years' experience as a team leader. • Has passed the MSC team leader training and is up to date on all trainings regarding modifications. • Has undertaken two fishery assessments as a team leader in the last five years. • Has experience in applying different types of interviewing and facilitation techniques and is able to effectively communicate with clients and various stakeholder groups. • Meets ISO 19011 training requirements.

Name	Gabriela Anhalzer (SCS)
Areas of responsibility	Team Leader
CV	<p>Gabriela Anhalzer received a Masters degree in coastal environmental management from Duke University. Ms. Anhalzer has several years of experience in marine conservation and fisheries, she has worked as an independent consultant conducting evaluations of fishery improvement projects and as a fisheries policy and stakeholder specialist. She has also worked as an associated researcher in Latin America for sea turtle population studies, sea bird census, and supporting stakeholder engagement in participatory management of marine protected areas. Ms. Anhalzer has provided technical support for numerous MSC assessment and possess a comprehensive understanding of MSC fisheries standard and stages; meeting MSC's team leader qualifications and competency criteria. Ms. Anhalzer has received ISO 9001 auditor training, has completed the MSC training and has affirmed she has no conflict of interest.</p>

Name	Gerard DiNardo
Areas of responsibility	Principle 1
CV	<p>Dr. Gerard DiNardo has over 25 years of experience as a research fishery scientist and senior manager for NOAA Fisheries in the United States, as well as extensive knowledge, understanding, and involvement in fishery issues and processes of tuna-RFMOs and RFOs. Ensuring sustainable development and management of fisheries, including the identification of research and plans of action to support effective management decision making has been the focus throughout his career, and with a strong background and understanding of international fisheries and MSC. He holds an MSc from Long Island University, C.W. Post Center and a Ph.D from University of Maryland, where his dissertation topic was FISHMAP: An Expert System for Sampling Fish Populations.</p> <p>Gerard was appointed as the Fisheries Resources Division Director of the Southwest Fisheries Science Center in San Diego, CA from 2015 to 2019. Previously, he held several positions at NMFS, including Supervisor of the Stock Assessment Program in the Fisheries Research and Monitoring Division at the Pacific Islands Fisheries Science Center. Dr. DiNardo was multiple publications related to the assessment of pelagic species, including</p>

tuna. He's held positions as Co-Chair of the Joint PICES/ISC Working Group on Ocean Conditions and the Distribution and Productivity of Highly Migratory Fish for the North Pacific Marine Science Organization, standing member of the NMFS National Stock Assessment Methods Steering Committee, science expert on the U.S.A. Delegation to the Western Central Pacific Fisheries Commission and Chair of the International Scientific Committee for Tuna and Tuna-like Species in the North Pacific Ocean (ISC).

Dr. DiNardo has served as Principal 1 Team member on several purse-seine and longline MSC fishery tuna assessments managed under IOTC, WCPFC, IATTC, and ICCAT RFMOs. He offers extensive experience assessing the status and management of tuna stocks and their impacts on ecosystem elements in accordance with the MSC Standard and Fishery Certification Process.

Dr. Gerard DiNardo's experience satisfies the MSC requirements for a Team Member as described in PC2 :

- With relevant degree (Ph.D. from the University of Maryland) and over 25 years of experience as a research fishery scientist and senior manager for NOAA Fisheries in the United States, verified by CV.
- Has passed the MSC compulsory training modules for Team Members within the last 5 years (2019).

Dr. Gerard DiNardo's experience satisfies the MSC qualifications for 'Fish Stock Assessment' as described in PC3 with over 3-years' of experience applying relevant stock assessment techniques and working with species with similar biology. Gerard's experience is evidenced by his work as a stock assessment scientist and leader of the Stock Assessment Group at the NOAA Fisheries Pacific Islands Fishery Science Center (2006-2015). From 2010-2017, Dr. DiNardo chaired the ISC, and a major aspect of his duties was to ensure that all documents published by the ISC were considered best available science, particularly published stock assessments. During his tenure in this role novel blue and shortfin mako shark assessments were completed employing a production modeling platform.

Name	Nick Hahlbeck
Areas of responsibility	Principle 1
CV	<p>Dr. Nick Hahlbeck holds a B.S. in marine science and biology from the University of Miami, with minors in mathematics, computer science, and chemistry, as well as a Ph.D. in fisheries science with extensive coursework in mathematics and modeling from Oregon State University. He has conducted empirical research and statistical modeling studies in freshwater and marine fisheries and authored three peer-reviewed publications. His research has included topics such as fish ecology, bioenergetics and growth, and bycatch. As part of his research, he has collaborated extensively with academic institutions, state and federal agencies, non-profits, tribes, and recreational fishing communities, and has communicated scientific advice to other fisheries scientists, managers, and stakeholders. He has one year of post-graduate experience as an MSC assessor.</p> <p>Therefore, Gerard DiNardo and Nick Hahlbeck collectively meet the competency criteria for P1 assessors in Annex PC.</p>

Appendix 2: Harmonisation – overlapping UoCs – South Pacific albacore

Table 1: Overlapping Units of Certification – SP ALB - certified

Fishery name	Unit of Certification	Certification status	Certification date	PI to harmonise
AAFA and WFOA South Pacific albacore tuna	1	Certified	15 Nov 2018	PI 1.2.1 and 1.2.2.
American Samoa EEZ Albacore and Yellowfin Longline Fishery	1	Certified	24 Nov 2017	PI 1.2.1 and 1.2.2.
Australian Eastern Tuna and Billfish Fishery (albacore tuna, yellowfin tuna, bigeye tuna and swordfish)	1	Certified	27 Aug 2020	PI 1.2.1 and 1.2.2.
Fiji Albacore, Yellowfin and Bigeye Tuna longline	1	Certified	13 Dec 2012	PI 1.2.1 and 1.2.2.
French Polynesia albacore and yellowfin longline fishery	1	Certified	19 Jun 2018	PI 1.2.1 and 1.2.2.
Kiribati albacore, bigeye and yellowfin tuna longline fishery	2	Certified	19 Jan 2021	PI 1.2.1 and 1.2.2.
New Zealand albacore tuna troll	1	Certified	16 May 2011	PI 1.2.1 and 1.2.2.
Pan Pacific yellowfin, bigeye and albacore longline fishery	3	Certified	25 Dec 2020	PI 1.2.1 and 1.2.2.
Solomon Islands longline albacore and yellowfin tuna fishery	1	Certified	28 Nov 2019	PI 1.2.1 and 1.2.2.
SZLC, CSFC & FZLC Cook Islands EEZ South Pacific albacore, yellowfin and bigeye longline	1	Certified	09 Jun 2015	PI 1.2.1 and 1.2.2.

Table 2: Overlapping Units of Certification – SP ALB – In assessment

Fishery name	Unit of Certification	Certification status	PI to harmonise
Sajo WCPO and EPO yellowfin, bigeye, and albacore longline	In -assessment	In assessment	PI 1.2.1 and 1.2.2.
Fukuichi Western and Central Pacific Ocean longline bigeye, yellowfin and albacore tuna fishery	In -assessment	In assessment	PI 1.2.1 and 1.2.2.
Fortuna Pacific longline albacore, bigeye and yellowfin tuna fishery	In -assessment	In assessment	PI 1.2.1 and 1.2.2.
Silla WCPO longline tuna fishery	In -assessment	In assessment	PI 1.2.1 and 1.2.2.
DFC/HEC WCPO longline tuna fishery	In -assessment	In assessment	PI 1.2.1 and 1.2.2.
Tri Marine Pacific Ocean Longline Tuna Fishery	In -assessment	In assessment	PI 1.2.1 and 1.2.2.
Zhejiang Ocean Family CO., LTD Pacific and Indian Ocean Longline Tuna and Swordfish	In -assessment	In assessment	PI 1.2.1 and 1.2.2.
PTR	In -assessment	In assessment	PI 1.2.1 and 1.2.2.
DaeHae Pacific tuna fishery	In -assessment	In assessment	PI 1.2.1 and 1.2.2.

Fishery name	Unit of Certification	Certification status	PI to harmonise
SZLC CSFC & FZLC Micronesia Longline	In -assessment	In assessment	PI 1.2.1 and 1.2.2.