



Australian Government

Australian Maritime Safety Authority

2022 Seafarer Certification Statistics

21 November 2022

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Contents

<u>SEAFARER CERTIFICATION DEMOGRAPHICS</u>	<u>4</u>
High level statistics	4
Domestic – Near coastal certificates of competency (CoCs)	4
International – Standards of training certification and watchkeeping (STCW) certificates of competency	5
How to interpret the data	5
<u>STCW CERTIFICATE OF COMPETENCY DEMOGRAPHIC INFORMATION</u>	<u>6</u>
STCW CERTIFICATE OF COMPETENCY (COC) CAPACITY BY AGE	6
STCW All CoC - Capacity by age	6
STCW Deck CoC - Capacity by age	7
STCW Engine CoC - Capacity by age	8
STCW Certificate of Proficiency by age	9
STCW Certificate of Safety Training (CoST) - Proficiency by age	10
STCW CERTIFICATE OF COMPETENCY (COC) GENDER BY AGE	11
STCW Deck CoC Holders – Gender by age	11
STCW Engine CoC Holders – Gender by age	12
STCW - Certificates of Proficiency	13
STCW Certificate of Safety Training (CoST) - Gender by age	14
<u>NEAR COASTAL CERTIFICATE OF COMPETENCY DEMOGRAPHIC INFORMATION</u>	<u>15</u>
NEAR COASTAL COC – CAPACITY BY AGE	15
All Near coastal CoC - Capacity by Age	15
Near Coastal Deck CoC - Capacity by Age	16
Near Coastal Engine CoC - Capacity by Age	17
Near Coastal General-Purpose Hand CoC - Capacity by Age	18
NEAR COASTAL COC – GENDER BY AGE	19
All near coastal CoC holders – gender by age	19
Near Coastal Deck CoC – Gender by age	20
Near Coastal Engine CoC – Gender by age	21
General Purpose Hand and other – Gender by age	22



SEAFARER CERTIFICATION DEMOGRAPHICS

High level statistics

This data is valid as of **21 November 2022**.

Data fluctuates daily as new certificates of competency are issued, expire, and are revalidated.

Domestic – Near coastal certificates of competency (CoCs)

This table shows the number of:

- valid near coastal certificates issued by AMSA
- near coastal seafarers qualified to work on Australian domestic commercial vessels (DCVs).

Near coastal	November 2022	
	Certificates	Seafarers
Deck	28,500	25,177
Engine	12,598	11,822
Total	41,098¹	26,912²

Notes

¹The number of certificates of competency issued for near coastal seafarers is significantly higher than the number of international certificates issued. That's because it's far more common for seafarers to have dual engineering and deck certification when working in the domestic industry.

²Many near coastal seafarers hold both deck and engine certification. Seafarers that have both a deck and engine CoC are counted in both the deck and engine category, while the total represents the total number of seafarers.

Learn more about [how to interpret this data](#).

What is a domestic CoC?

Seafarers holding domestic CoCs can work on Australian DCVs out to the limit of the exclusive economic zone of Australia. Certification determines the position they can hold, and size or power rating of the vessels they can work on.

International – Standards of training certification and watchkeeping (STCW) certificates of competency

This table shows the number of:

- valid STCW certificates issued by AMSA
- seafarers who hold SCTW certificates issued by AMSA.

STCW	November 2022	
	Certificates	Seafarers
Deck	2,271	2,027
Engine	1,662	1,435
Total	3,933	3,462

Other International certificates	November 2022	
	Certificates	Seafarers
Certificates of Proficiency	2,271	2,171
Certificate of training safety (COST)	Not recorded	Not recorded

Notes

Learn more about [how to interpret this data](#).

What is an international CoC?

Seafarers holding international CoCs can work on international trading ships. Certification determines the position they can hold, and the size and type of vessels they can work on.

How to interpret the data

All data provided should be used as a 'point in time estimation' of the number of seafarers and certification held.

The data may be ambiguous. When using it, keep in mind that:

- many seafarers hold more than one certificate, and some seafarers hold both near coastal and STCW certification
- some seafarers hold more than one of the same certificate at a point in time. This is due to the renewal cycles for certificates where a new certificate is issued before a current certificate has expired.
- AMSA inherited data from other maritime agencies when the national system was established
- naming conventions, changes to certificate names, and complexities in endorsements, mean that the data has been grouped in some places.

STCW CERTIFICATE OF COMPETENCY DEMOGRAPHIC INFORMATION

STCW CERTIFICATE OF COMPETENCY (COC) CAPACITY BY AGE

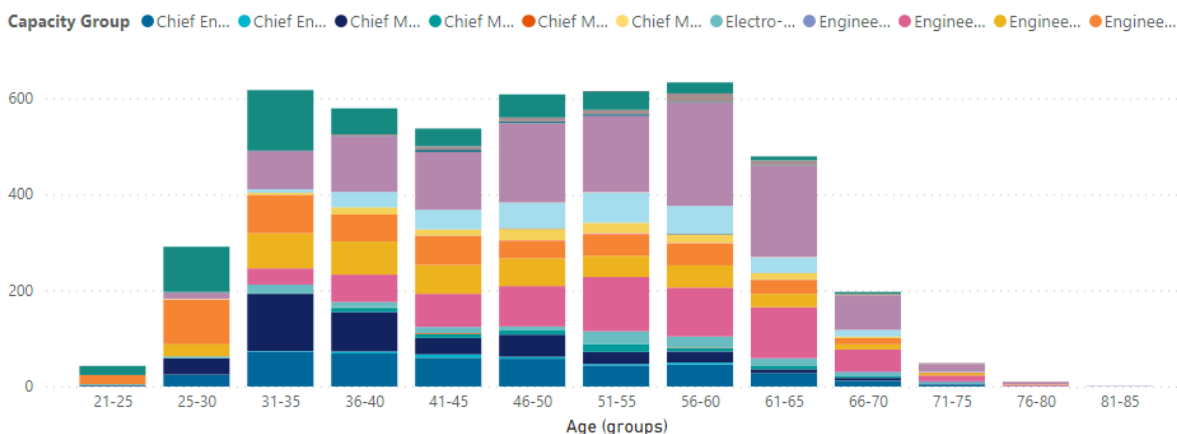
The graphs and tables below provide the total number of active CoC's as at 21 November 2022.

A specific seafarer will be counted multiple times if they hold multiple certificates. The total figures presented in the table indicate the total number of CoC's active. This number changes daily as CoC's expire, are renewed and new certificates are issued.

The tables below do not include endorsements or recognition of foreign issued CoC's.

STCW All CoC - Capacity by age

Number of Certificates

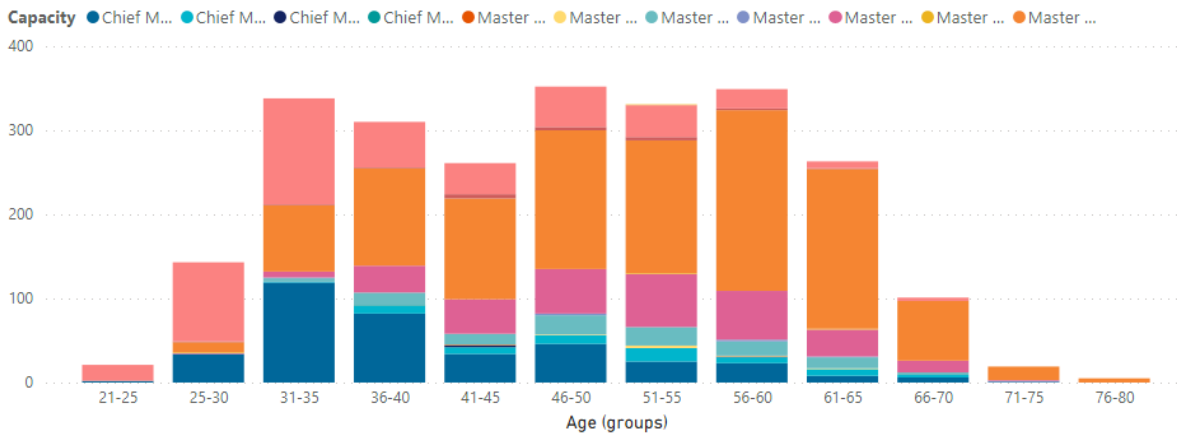


Number of Certificates

Capacity Group	21-25	25-30	31-35	36-40	41-45	46-50	51-55	56-60	61-65	66-70	71-75	76-80	81-85	Total
Chief Engineer <3000 kW		25	73	69	60	58	44	46	28	11	4	1		419
Chief Engineer <3000 kW (Near Coastal)			1	4	7	4	3	4		1				24
Chief Mate	2	34	119	82	34	46	25	23	8	6	1			381
Chief Mate <3000 GT			1	9	8	10	16	7	8	3				62
Chief Mate <3000 GT (Near Coastal)					2			1						3
Chief Mate <3000 GT (Yachts)				1										1
Electro-Technical Officer	3	4	18	11	13	7	27	23	14	8	3			131
Engineer Class 1									1	2	3		1	7
Engineer Class 1, Chief Engineer			34	57	69	84	113	102	106	46	12	3		626
Engineer Class 2		25	73	69	60	58	44	46	28	11	4	1		419
Engineer Watchkeeper	19	93	80	56	60	37	44	46	29	13	2			479
Master <24 m Foreign Going					1									1
Master <3000 GT						1	3	1	1					6
Master <3000 GT (Near Coastal)			4	15	13	23	22	17	13	3				110
Master <3000 GT (Yachts)			1			2		2	1		1			7
Master <500 GT		1	7	32	41	53	63	58	32	14	1			302
Master <500 GT (Yachts)		1					1		1					3
Total	43	265	535	473	435	492	515	531	415	175	43	9	1	3933

STCW Deck CoC - Capacity by age

Number of Certificates

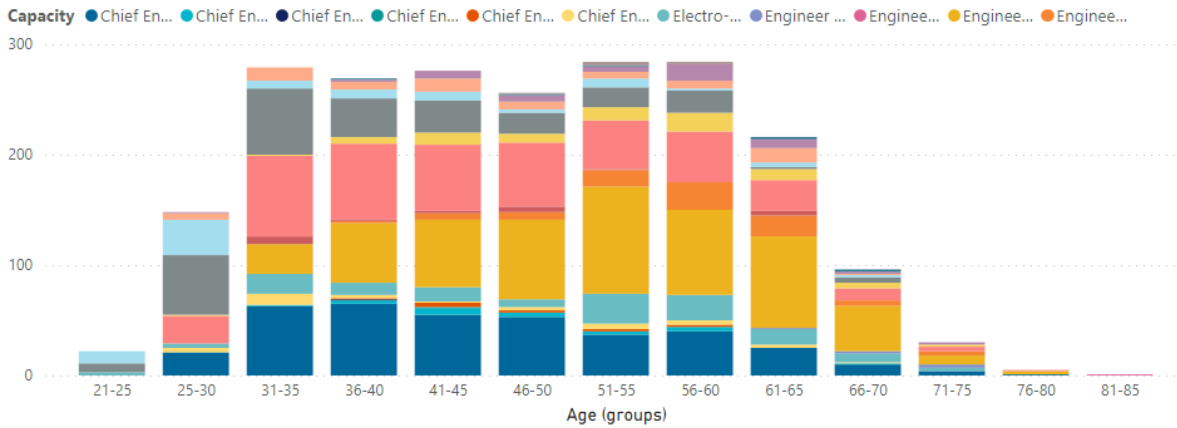


Number of Certificates

Capacity	21-25	25-30	31-35	36-40	41-45	46-50	51-55	56-60	61-65	66-70	71-75	76-80	Total
Master Unlimited		12	79	116	120	165	158	215	190	71	16	5	1147
Watchkeeper Deck	19	94	126	54	37	48	38	23	8	4			451
Chief Mate	2	34	119	82	34	46	25	23	8	6	1		381
Master <500 GT		1	7	32	41	53	63	58	32	14	1		302
Master <3000 GT (Near Coastal)			4	15	13	23	22	17	13	3			110
Chief Mate <3000 GT			1	9	8	10	16	7	8	3			62
Mate <500 GT		1	1	1	5	4	4	2	1				19
Master <3000 GT (Yachts)			1			2		2	1		1		7
Master <3000 GT						1	3	1	1				6
Chief Mate <3000 GT (Near Coastal)					2			1					3
Master <500 GT (Yachts)		1					1		1				3
Chief Mate <3000 GT (Yachts)				1									1
Master <24 m Foreign Going					1								1
Watchkeeper Deck <500 GT							1						1
Total	21	143	330	280	233	306	287	314	237	95	19	5	2271

STCW Engine CoC - Capacity by age

Number of Certificates



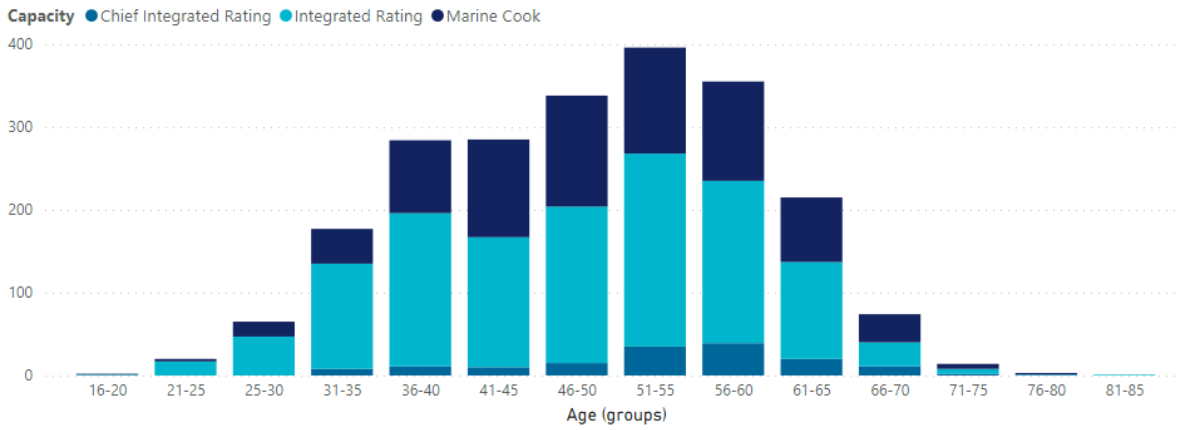
[Back to report](#)

NUMBER OF CERTIFICATES

Capacity	21-25	25-30	31-35	36-40	41-45	46-50	51-55	56-60	61-65	66-70	71-75	76-80	81-85	Total
Engineer Class 1, Chief Engineer (Motor)			27	54	61	72	97	77	83	41	8	3		523
Engineer Class 2		25	73	69	60	58	44	46	28	11	4	1		419
Chief Engineer <3000 kW (Motor)		21	63	65	55	53	37	40	25	10	4	1		374
Engineer Watchkeeper (Motor)	8	54	60	35	29	19	18	20	2	5				250
Electro-Technical Officer	3	4	18	11	13	7	27	23	14	8	3			131
Engineer Watchkeeper (Steam and Motor)	11	32	7	8	8	3	8	2	4	2				85
Engineer Class 1, Chief Engineer (Steam and Motor)				2	6	7	15	25	19	5	4			83
Engineer Watchkeeper		1	1	6	11	8	12	17	10	5	2			73
Engineer Watchkeeper (Steam)		6	12	7	12	7	6	7	13	1				71
Second Engineer <3000 kW (Motor)		1		2	7	6	5	15	8	2	2			48
Chief Engineer <3000 kW (Steam)		4	10	3	1	3	5	4	3	1				34
Chief Engineer <3000 kW (Near Coastal) (Motor)			1	3	6	4	3	4		1				22
Engineer Class 1, Chief Engineer (Steam)			7	1	2	5	1		4					20
Chief Engineer <3000 kW (Steam and Motor)				1	4	2	2	2						11
Second Engineer <3000 kW (Steam and Motor)				1		1	1		2	2				7
Engineer Class 1 (Motor)									1	2	3			6
Second Engineer <3000 kW (Steam)						1	3	2						6
Chief Engineer <3000 kW (Near Coastal) (Steam and Motor)				1										1
Chief Engineer <3000 kW (Near Coastal) (Steam)					1									1
Engineer Class 1 (Steam and Motor)													1	1
Total	22	122	205	193	202	186	228	217	178	80	24	4	1	1662

STCW Certificate of Proficiency by age

Number of Certificates

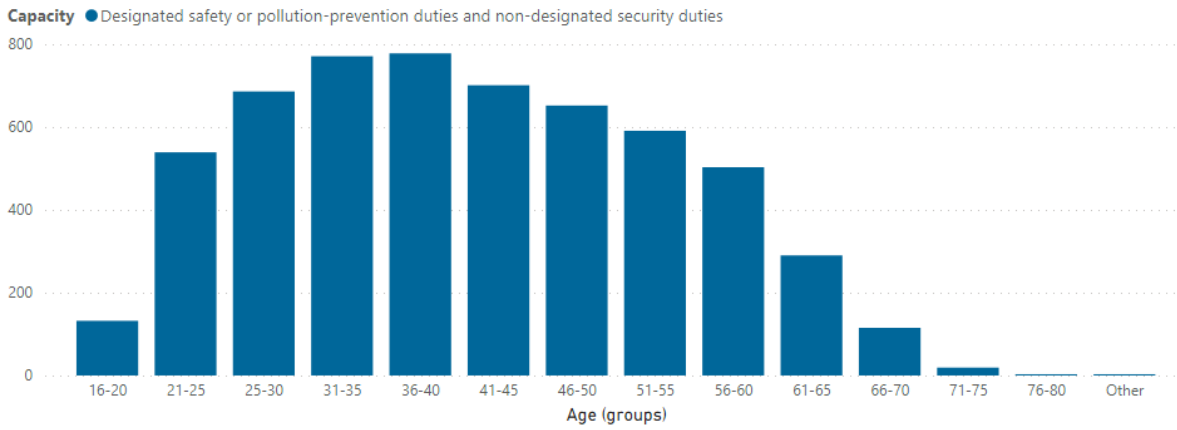


Number of Certificates

Capacity	16-20	21-25	25-30	31-35	36-40	41-45	46-50	51-55	56-60	61-65	66-70	71-75	76-80	81-85	Total
Integrated Rating	1	17	47	127	185	157	189	233	196	117	29	6	1	1	1306
Marine Cook	1	3	18	42	88	118	134	128	120	78	34	6	2		775
Chief Integrated Rating				8	11	10	15	35	39	20	11	2			151
Total	2	20	65	177	284	285	338	396	355	215	74	14	3	1	2232

STCW Certificate of Safety Training (CoST) - Proficiency by age

Number of Certificates



Number of Certificates

Capacity	16-20	21-25	25-30	31-35	36-40	41-45	46-50	51-55	56-60	61-65	66-70	71-75	76-80	Other	Total
Designated safety or pollution-prevention duties and non-designated security duties	132	539	686	771	778	701	652	591	503	290	115	19	3	2	5783
Total	132	539	686	771	778	701	652	591	503	290	115	19	3	2	5783

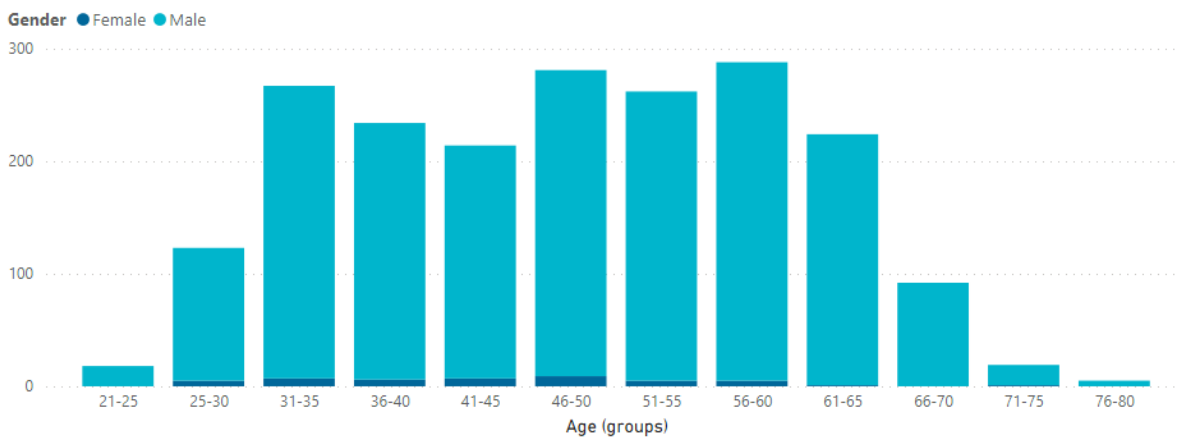
STCW CERTIFICATE OF COMPETENCY (COC) GENDER BY AGE

The graphs and tables below provide a breakdown of the number of STCW CoC holders by gender and age.

A specific seafarer will be **counted only once** within their category (Deck, Engine, Certificate of Proficiency) regardless of the number of CoC's they hold. AMSA's STCW records currently only provide for the recording of gender by male or female.

STCW Deck CoC Holders – Gender by age

Number of Seafarers



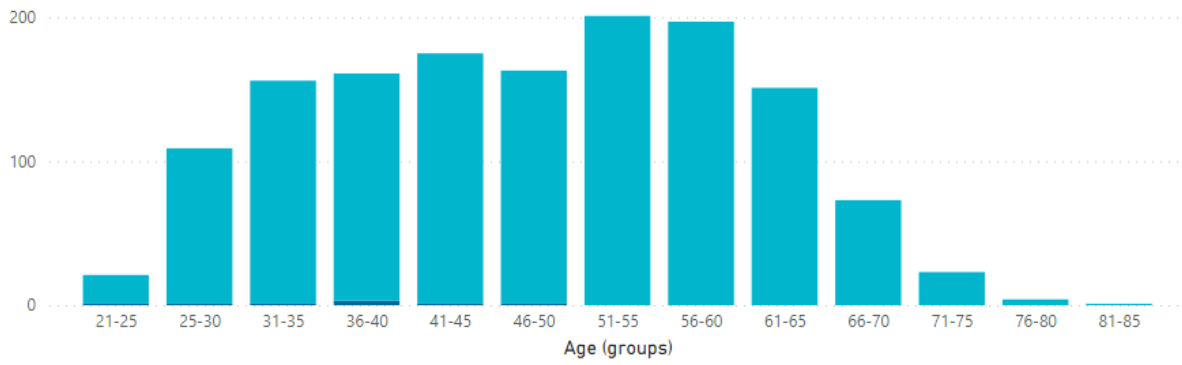
Number of Seafarers

Gender	21-25	25-30	31-35	36-40	41-45	46-50	51-55	56-60	61-65	66-70	71-75	76-80	Total
Female		5	7	6	7	9	5	5	1		1		46
Male	18	118	260	228	207	272	257	283	223	92	18	5	1981
Total	18	123	267	234	214	281	262	288	224	92	19	5	2027

STCW Engine CoC Holders – Gender by age

Number of Seafarers

Gender ● Female ● Male



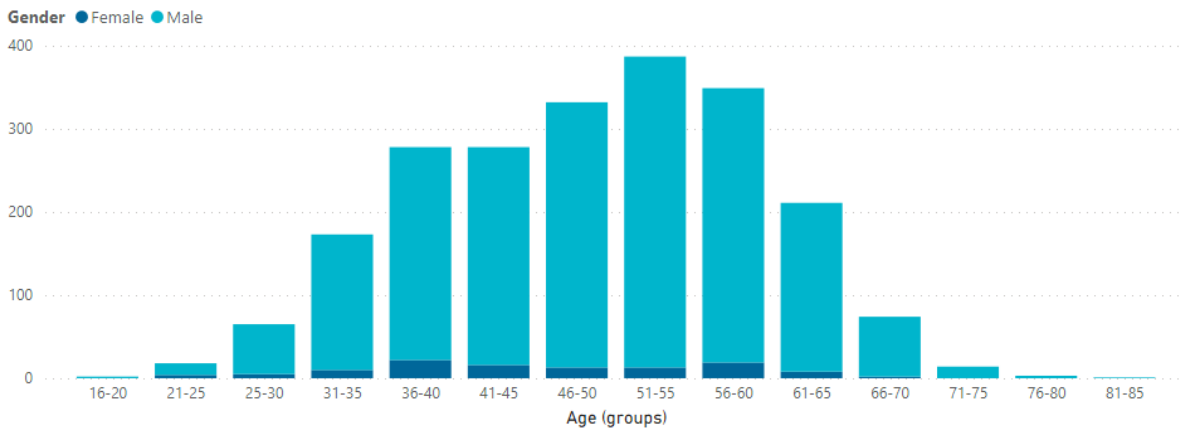
Number of Seafarers

Gender	21-25	25-30	31-35	36-40	41-45	46-50	51-55	56-60	61-65	66-70	71-75	76-80	81-85	Total
Female	1	1	1	3	1	1								8
Male	20	108	155	158	174	162	201	197	151	73	23	4	1	1427
Total	21	109	156	161	175	163	201	197	151	73	23	4	1	1435

STCW - Certificates of Proficiency

The graph and table below include Chief Integrated Ratings, Integrated Ratings and Marine Cooks.

Number of Seafarers

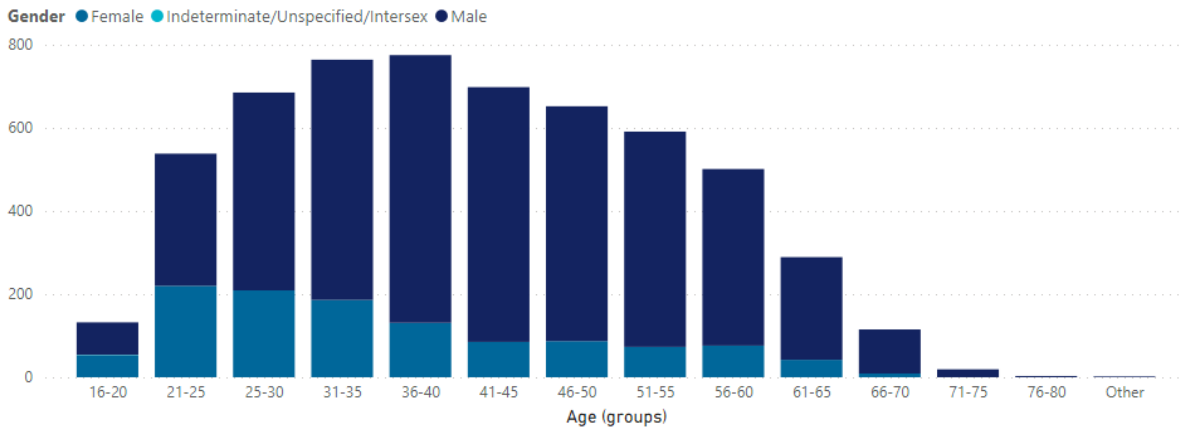


Number of Seafarers

Gender	16-20	21-25	25-30	31-35	36-40	41-45	46-50	51-55	56-60	61-65	66-70	71-75	76-80	81-85	Total
Female		4	5	10	22	16	13	13	19	8	2				112
Male	2	14	60	163	256	262	319	374	330	203	72	14	3	1	2073
Total	2	18	65	173	278	278	332	387	349	211	74	14	3	1	2185

STCW Certificate of Safety Training (CoST) - Gender by age

Number of Seafarers



Number of Seafarers

Gender	16-20	21-25	25-30	31-35	36-40	41-45	46-50	51-55	56-60	61-65	66-70	71-75	76-80	Other	Total
Female	53	220	209	186	131	85	87	73	76	42	9				1171
Indeterminate/Unspecified/Intersex	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Male	78	318	476	578	644	613	565	518	425	247	106	19	3	2	4592
Total	132	538	685	764	775	698	652	591	501	289	115	19	3	2	5764

NEAR COASTAL CERTIFICATE OF COMPETENCY DEMOGRAPHIC INFORMATION

NEAR COASTAL COC – CAPACITY BY AGE

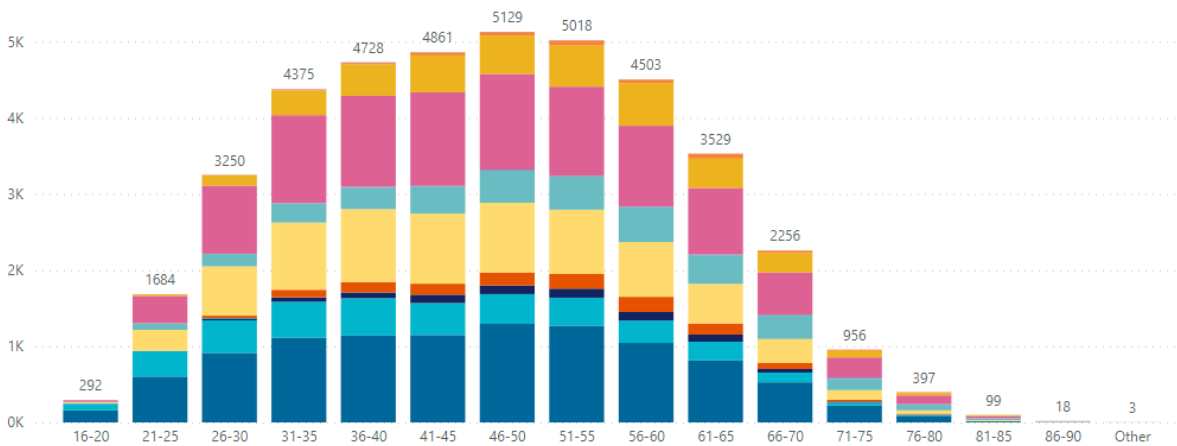
The graphs and tables below provide the total number of active CoC’s as at 21 November 2022.

A specific seafarer will be counted multiple times if they hold multiple certificates. The total figures presented in the tables indicate the total number of CoC’s active. This number changes daily as CoC’s expire, are renewed and new certificates are issued.

All Near coastal CoC - Capacity by Age

Number of Certificates

CapacityType ● Coxswai... ● Coxswai... ● Enginee... ● Enginee... ● Marine ... ● Marine ... ● Marine ... ● Master (... ● Master ... ● Master ... ● Master ... ● Mate <8...

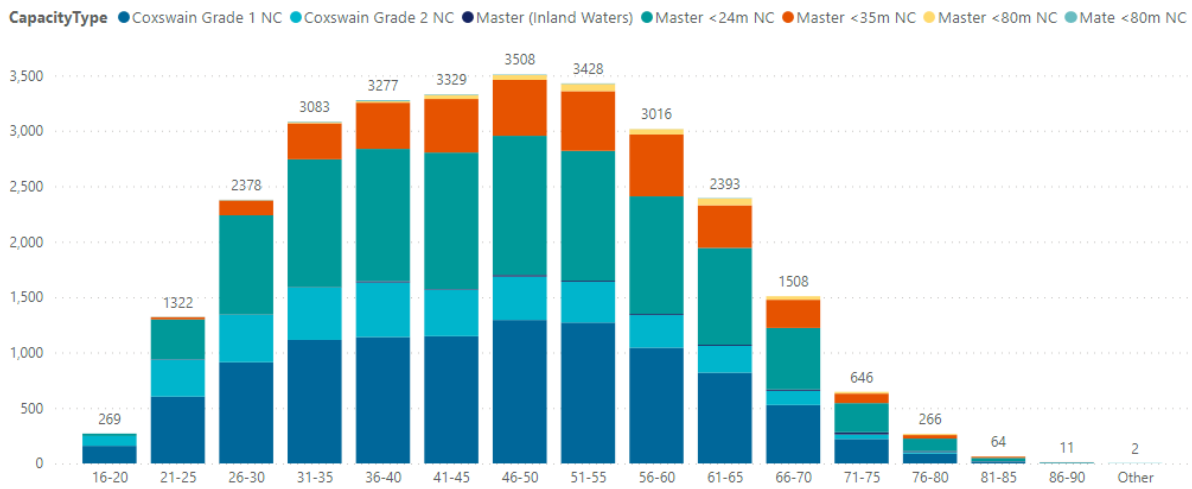


Number of Certificates

CapacityType	16-20	21-25	26-30	31-35	36-40	41-45	46-50	51-55	56-60	61-65	66-70	71-75	76-80	81-85	86-90	Other	Total
Coxswain Grade 1 NC	159	603	913	1114	1140	1148	1294	1271	1044	819	527	221	88	14	4		10359
Coxswain Grade 2 NC	88	333	427	471	492	419	391	367	294	241	128	40	14	3	1	1	3710
Engineer Class 3 NC			21	56	74	111	111	119	112	94	47	13	1				759
Engineer Watchkeeper			10	3	2		1										16
Marine Engine Driver Grade 1 NC		2	31	98	136	144	172	193	200	146	81	25	12				1240
Marine Engine Driver Grade 2 NC	18	278	647	882	957	920	915	843	719	520	313	126	44	15	3	1	7201
Marine Engine Driver Grade 3 NC	5	82	163	253	282	357	422	435	456	376	307	146	74	20	4		3382
Master (Inland Waters)		4	3	4	12	6	15	10	10	10	12	20	10	4			120
Master <24m NC	22	359	895	1154	1193	1231	1255	1171	1061	874	555	263	112	29	5	1	10180
Master <35m NC		20	134	325	417	483	504	539	558	384	254	86	32	12	1		3749
Master <80m NC		1	2	9	13	36	44	65	48	61	32	16	10	2			339
Mate <80m NC		2	4	6	10	6	5	5	1	4							43
Total	292	1684	3250	4375	4728	4861	5129	5018	4503	3529	2256	956	397	99	18	3	41098

Near Coastal Deck CoC - Capacity by Age

Number of Certificates



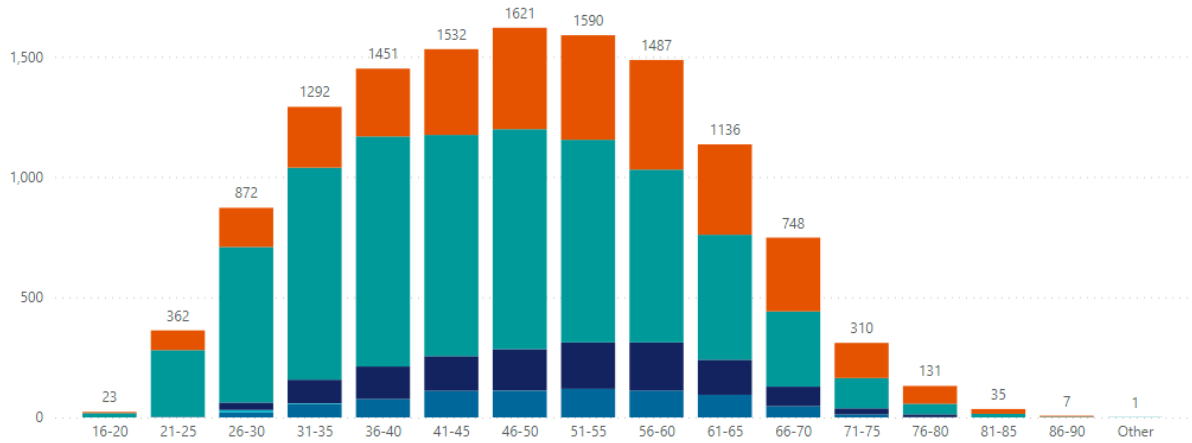
Number of Certificates

CapacityType	16-20	21-25	26-30	31-35	36-40	41-45	46-50	51-55	56-60	61-65	66-70	71-75	76-80	81-85	86-90	Other	Total
Coxswain Grade 1 NC	159	603	913	1114	1140	1148	1294	1271	1044	819	527	221	88	14	4		10359
Coxswain Grade 2 NC	88	333	427	471	492	419	391	367	294	241	128	40	14	3	1	1	3710
Master (Inland Waters)		4	3	4	12	6	15	10	10	10	12	20	10	4			120
Master <24m NC	22	359	895	1154	1193	1231	1255	1171	1061	874	555	263	112	29	5	1	10180
Master <35m NC		20	134	325	417	483	504	539	558	384	254	86	32	12	1		3749
Master <80m NC		1	2	9	13	36	44	65	48	61	32	16	10	2			339
Mate <80m NC		2	4	6	10	6	5	5	1	4							43
Total	269	1322	2378	3083	3277	3329	3508	3428	3016	2393	1508	646	266	64	11	2	28500

Near Coastal Engine CoC - Capacity by Age

Number of Certificates

CapacityType ● Engineer Class 3 NC ● Engineer Watchkeeper ● Marine Engine Driver Grade 1 NC ● Marine Engine Driver Grade 2 NC ● Marine Engine Driver Grade ...



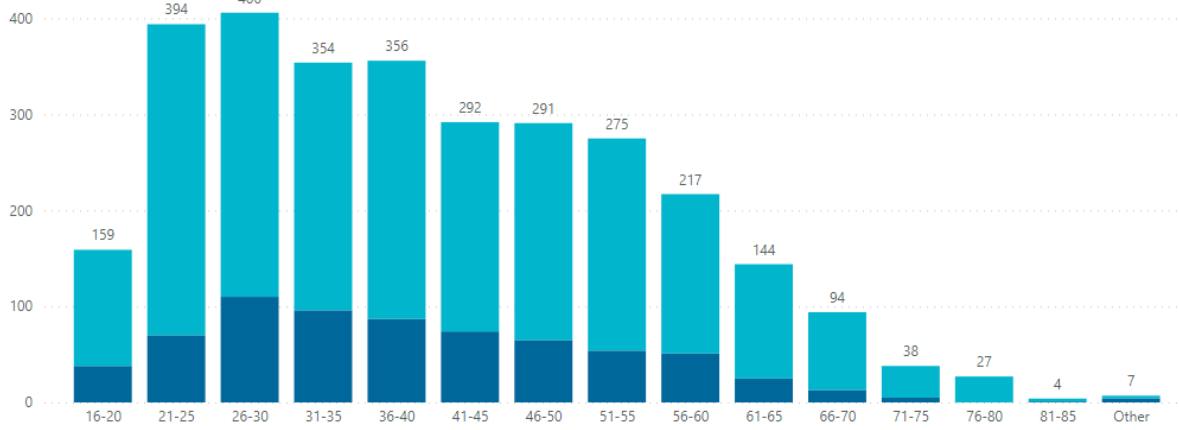
Number of Certificates

CapacityType	16-20	21-25	26-30	31-35	36-40	41-45	46-50	51-55	56-60	61-65	66-70	71-75	76-80	81-85	86-90	Other	Total
Engineer Class 3 NC			21	56	74	111	111	119	112	94	47	13	1				759
Engineer Watchkeeper			10	3	2			1									16
Marine Engine Driver Grade 1 NC		2	31	98	136	144	172	193	200	146	81	25	12				1240
Marine Engine Driver Grade 2 NC	18	278	647	882	957	920	915	843	719	520	313	126	44	15	3	1	7201
Marine Engine Driver Grade 3 NC	5	82	163	253	282	357	422	435	456	376	307	146	74	20	4		3382
Total	23	362	872	1292	1451	1532	1621	1590	1487	1136	748	310	131	35	7	1	12598

Near Coastal General-Purpose Hand CoC - Capacity by Age

Number of Certificates

CapacityType ● General Purpose Hand NC



Number of Certificates

CapacityType	16-20	21-25	26-30	31-35	36-40	41-45	46-50	51-55	56-60	61-65	66-70	71-75	76-80	81-85	Other	Total
General Purpose Hand NC	38	70	110	96	87	74	65	54	51	25	13	5	1	4	693	
Total	159	394	406	354	356	292	291	275	217	144	94	38	27	4	7	3058

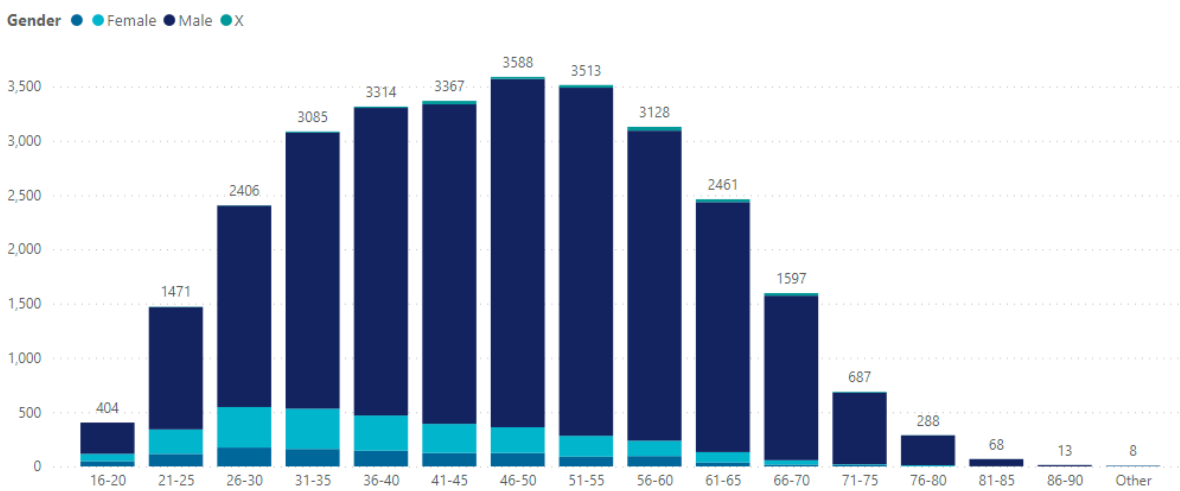
NEAR COASTAL COC – GENDER BY AGE

The graphs and tables below provide a breakdown of the number of Near Coastal CoC holders by gender and age. This reflects the actual number of seafarers, and their respective CoC held.

A specific seafarer will be **counted only once** within their category (Deck, Engine, Other) regardless of the number of CoC's they hold. A number of seafarers CoC records have no gender information associated with them. This is because AMSA inherited CoC demographic data from state maritime agencies when the national system was established.

All near coastal CoC holders – gender by age

Number of Seafarers



Number of Seafarers

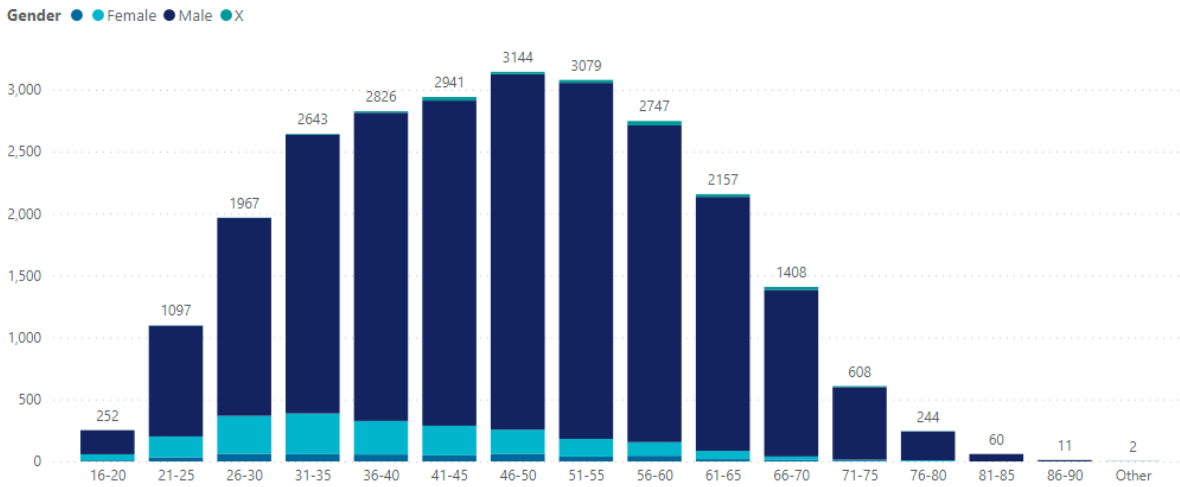
Gender	16-20	21-25	26-30	31-35	36-40	41-45	46-50	51-55	56-60	61-65	66-70	71-75	76-80	81-85	86-90	Other	Total
Female	49	116	174	161	145	124	124	90	96	36	17	12	1	1	4	1150	
Male	288	1126	1856	2543	2833	2943	3208	3206	2856	2303	1516	659	275	67	13	3	25680
X	4	3	10	12	32	19	25	35	26	24	8	2	0	0	0	200	
Total	404	1471	2406	3085	3314	3367	3588	3513	3128	2461	1597	687	288	68	13	8	29380

There are 29,380 individual seafarers who hold Near Coastal CoC's. AMSA's information on gender has been inherited through historical records. Information held by AMSA indicates the following:

- 2,350 identify as female,
- 25,680 identify as male,
- 1,350 seafarers have no gender information associated with their record.

Near Coastal Deck CoC – Gender by age

Number of Seafarers



Number of Seafarers

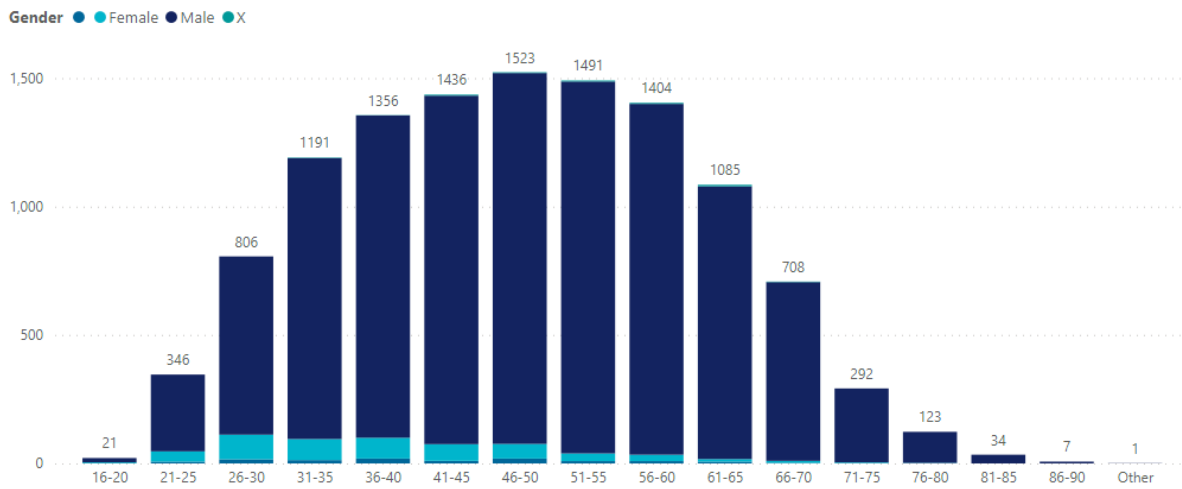
Gender	16-20	21-25	26-30	31-35	36-40	41-45	46-50	51-55	56-60	61-65	66-70	71-75	76-80	81-85	86-90	Other	Total
Female	8	33	62	59	56	50	61	39	46	18	12	8	1				453
Male	194	893	1597	2249	2487	2624	2870	2873	2556	2050	1345	586	233	60	11	1	22621
X		2	2	7	12	29	18	24	35	22	23	8	2				184
Total	252	1097	1967	2643	2826	2941	3144	3079	2747	2157	1408	608	244	60	11	2	25177

There are 25,177 individual seafarers who hold Near Coastal Deck CoC's. AMSA's information on gender has been inherited through historical records. Information held by AMSA indicates the following:

- 1,919 identify as female,
- 22,621 identify as male,
- 637 seafarers have no gender information associated with their record.

Near Coastal Engine CoC – Gender by age

Number of Seafarers



Number of Seafarers

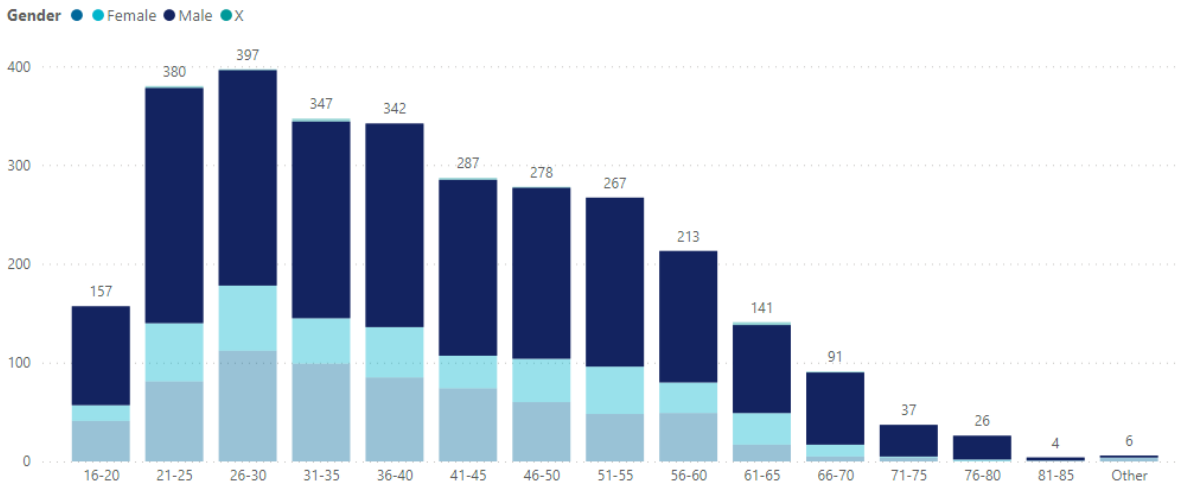
Gender	16-20	21-25	26-30	31-35	36-40	41-45	46-50	51-55	56-60	61-65	66-70	71-75	76-80	81-85	86-90	Other	Total
Female	0	4	16	13	19	10	19	9	9	7	2	1	0	0	0	0	112
Male	17	299	694	1094	1255	1357	1444	1448	1366	1062	696	288	121	34	7	1	11181
X	0	0	0	2	1	4	3	4	4	6	2	0	0	0	0	0	26
Total	21	346	806	1191	1356	1436	1523	1491	1404	1085	708	292	123	34	7	1	11822

There are 11,822 individual seafarers who hold Near Coastal Engine CoC's. AMSA's information on gender has been inherited through historical records. Information held by AMSA indicates the following:

- 503 identify as female,
- 11,181 identify as male,
- 138 seafarers have no gender information associated with their record.

General Purpose Hand and other – Gender by age

Number of Seafarers



Number of Seafarers

Gender	16-20	21-25	26-30	31-35	36-40	41-45	46-50	51-55	56-60	61-65	66-70	71-75	76-80	81-85	Other	Total
Female	16	59	66	46	51	33	44	48	31	32	12	1	2	1	4	680
Male	100	238	218	199	206	178	173	171	133	89	73	32	24	3	2	1837
X	2	1	1	3	2	1	0	0	3	1	0	0	0	0	0	13
Total	118	298	285	248	213	218	219	167	102	33	26	3	2	1	4	2969

There are 2,969 individual seafarers who hold either General Purpose Hand CoC. AMSA's information on gender has been inherited through historical records. Information held by AMSA indicates the following:

- 439 identify as female,
- 1,837 identify as male,
- 693 seafarers have no gender information associated with their record.

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