Role	Deck Cadet	Marine Manager	Chief Mate	Deck Officer Cadet	Second Officer	Deck Cadet	2nd Officer Chie		Deck Cadet	Crew Operator/Training Lecturer Officer	OOW Unlimited (C	eck) Cadet Manager	Vice President	Chief Officer	First Officer	Master	Navigating Officer		Master	Retired mariner / surveyor	Retired mariner / surveyor	General manager - marine Assets	Director, Marine HR	Marine Superintendent	Marine Superintendent	Navigational Assessor and Second Officer Deck C		Deck cadet Cadet
Organisation Module	N/A  Deck - Chartwork and tides	Utilities Company  Deck - Chartwork and tide	Towage  Deck - Chartwork and tide:	International Shipping Company Deck - Chartwork and tides	National Shipping Company  Deck - Chartwork and tides		Ferry Free Deck - Chartwork and tides Deck		International Shipping Company Deck - Chartwork and tides	International Shipping Unitversity  Company  Deck - Chartwork and tides Deck - Chart	Maritime Charity work and tides Deck - Chartwork		International Shipping Company is Deck - Chartwork and tide		International Shipping Company s Deck - Chartwork and tide		International Shipping Company  Deck - Chartwork and tide	Government Regulatory Body	Company Company	Consultant	Consultant	Marine Services	Company Company	Offshore Supply Services	Offshore Supply Services	Consultants International Shipping Intern	ational Shipping International Shipping Company Chartwork and tides Deck - Chartwork and tides	Company
Your Feedback - Outcome 1	II. Sake it is my understanding paper chart are to be phased out in the comming year and part of bart are to be phased out in the comming years and part of bart and paper charts is almost gazenessed in this modate, direct the remove charts is almost gazenessed in this modate, and the sake the knowledge on these to chart and paper charts and the sake th	al.	Most vessels (particularly smaller work boats which the majority of British merchants seafairers now work on) do not have the capacity for full ECDS and therefore still carry paper publications and charts. Therefore I still believe it is caded to a caded to the cad	Outcome 1.4: The need to teach how to procure char- for ships is comething I believe is assential to teach because it enables a good understanding of 3nd office of the ships in the ships of the ships in the ships of the ships	1.8 - all ships I have been o to use a digital chart management service to management service to order charts. Publications er such as AMS, ALS are almost uninersally the e- publication digital versions. I believe training chould be given in an introduction to the various commercial systems in use, such as OracCeaux, to that cadess	Regulations should be in place to ensure the standar and quality of college simulators (ECINS: Standard thould also be put in place to ensure that most large brainds are covered. 2.4 Although laborh adds: how to order/select new regions/charts on the ECINS or order/select new to regions/charts on the ECINS or the ECINS of the EC	1.3. Til cocentral to ensure that calcular greatest and the transport of t	aming it Electronic twork & tides is of no benefit. introduce electronic t systems earlier. er Charts A&E rou'all to industry, not just for ts and not just as a back	1.4 ordering publications still a cocurs and should be kept 1.5 corrections - 1.5 corrections - 2.5 co	rapie matte.  the event of the	COS SIGNAL SE a spart of the same spart of the s	is and of about of the set of the	6	en/a	an/a	All codes must how the basis of harding paper share.		121 SO AC agree we STA to remain age at 16 seasons are remaining at 16 seasons are remained as 16 s		Outcome 1; Action required 2. "Restructure college delivery structure to provide more focus" consider channing to "Structure to	Outcome 1; Action required 2. *Bestructure college delivery structure to provide	The OOW once qualified.				I I don't are any connotation of "Soliders and rules" in the regard think and we make the soliders and thinks and we have a straight think about what a development of the scraped in what follows:  Land 1.4 May be sufficient to the scraped of the state of the scraped of the state of the scraped of the scra	1.6. Still need to be an	I feel there is a case for removing outcomes 1.5 - 1.8 alleagener. For exemple and said a many control of the case
Sub-Group 1.2 Response	Thank you for your feedback, it has been notice to the second of the sec	y snya.	Thank you for your feedbad, it has been noted We appreciately your point when the work of the second on the foots shift fraction on the foots shift the primary of ECRS has been supportive.	Thank you for your  E receitable, it has been noted to the control of the control	Thank you for your feedback, it has been noted to white we agree that digital of chart management should be covered with this law agree to be covered with the covered with the principles of the COGS as opposed to give a base level of knowledge.	are required to meet the appropriate simulator specification standards. We currently look to teach the principles of ECDIS as opposed to type specific training to the propriate of the first open of the CDIS type specific remains a requirement. We are in agreement with	feedback, it has been noted.  We appreciate your point of view. However, the majority That feed an expectation that contains a decided on this outcome and the contains of the contains an introduction to paper charts has been covered by been voint suggestion to that would allow them to be used and kept up to dothe as a	nk you for your thack, it has been noted. appreciate your point of the control of the majority needback that we have nived on the focus shift to primacy of ECDIS has n supportive.	Thank you for your feedback, it has been noted when you feel to the appreciate your point of ware for it. A. However, the have received on this concern has indicated support for its removal.  Additionally, we group with your suggestion for 1.5 and believe it is covered within our proposal.	We apprecia view. However of New York has indicate remover a set (A Additionally, an introduct than the bat by paper churts paper churts would allow	us been noted.  for it, the majority  Thank you for you  for the waller  that we have  from the outcome  to provide the control of  We appreciate you  we shall we thank  We appreciate you  you  you  you  you  you  you  you	the notice.  Thank you for your point of an analysis of the second of th	ed. etuja.	MUÇA	anija.	Thank you for your feedback, it has been note a consistent to the year action is selected to the year action is selected to the year action is selected to the year action is not year action in the year action in year action years a	d. Thank you for your feedback, it has been noticed of Wa set in agreement with your inageness with this will be included in the cylindras under 1.8.		We appreciate your point of siew. However, the majority of received on this outcome has indicated support for it removal.  Additionally, we believe tha an introduction to paper charts has been covered by our coassection to teach	f Thank you for your y feedback, it has been noted. While we agree that it is important that to give Cadet an early introduction to electronic charts, we feel t that the currently suggested wording is appropriate. This module is regularly taught in the early and if the Cadet.	Thank you for your feedback, it has been noted that it is important that the early part of the Cadet training course.	Thank you for your feedback, It has been not feedback, It has been not with the property of the appreciate your point of the principle of the princip	Thank you for your  I. Reediach, it has been noted by the second of the second on this outcome has indicated support for it removal.	Thank you for your facelloss. It has seen noted. With regards to endering dharts publications, we appreciately some point of wine. Therefore, the majority extended on the customer has indicated support for its removal.  **Toronton, we are in agreement with your suggestion for electronic for electronic for the commonst.  **Toronton, we are in agreement with your suggestion for electronic for el	Thank you for your feedback, it has been ender feedback. It has been ender the appreciate your point size. However, the majorif received on this outcome has indicated support for it removal.	Thanks you for your facefulack, if this bear noted.  With regards to outcome it, we experisely any output for a facefulack that we have considered with the control of the dischards had an any out for your facefulack and the control of the faceful output for faceful or the control of the faceful output for faceful or the control of the faceful output for faceful or the control of the control of the faceful or the control of the faceful or the control of the faceful or the control of the control of the faceful or the control of	#N/A We are in agreement w your suggestion for 1.4	Dank you for your feedback, it has been moted.  You approximely you point of which the properties you point of the control of the point of the feedback received has you feedback received has been feedback received his supply of the feedback received his received has been feedback and the point of the control of the point of the
Your Feedback - Outcome 2	I mainly give with most of the labels have forced in the labels have forced in the labels have been supply these on discharged the forced charts should be the force.	2.0 Paper charts should be same focus	an/A	still escential. Therefore, I believe the need first to teach position pioting, as well as courses to steers, counteracting triangles, ranges and bearings etc on paper charts in essential. This is because working on paper charts enables a greater understanding of it principles and what the ECDIS/ENS would be doing.	necessary to practice navigation on projections other than mercator. Realistically, all navigation is done on mercator projections. But I agree that chartwork techniques shou be practiced on ENCS/simulator such as VMM/EB.		MA	stol/A.	#N(7).	example run possible to a poss	complish on immodels models repebbel; immodels repebbel; id-better to the section of the better to the section of t	Teach on electronic chart yes—but make the size of the object of the size of the size of the object of the size of the size of the but of the size of the size of the individual of the size of the size of the size of the size of the size of number of size.	o o on the control of	8N/A	en/A	en/A	spoofing/jamming situation and how to tell you are be spoofed/jammed.	2.0 ide on a green that there who did be a reduced flow. The control of the contr	ic .	ent/A.	en().	sm/s.	Agree with the above	anija.	steel A.	We need to move towards we consider and such and a sub-register forming with particular emphasis on the amount of the such as a sub-register forming with particular emphasis on the amount of the sub-register forming with particular emphasis on the amount of the sub-register forming with particular passage and thou use of head to be sub-register forming with the su	anga anga	I fael there should be a Recisioning ETA, manual Recisioning ETA, manual foreign Cr. These should only BN/A be a series of the should only BN/A be a series of the should be a
Sub-Group 1.2 Response	Thank you for your feedback, it has been noted and we are in agreement.	Thank you for your feedbadk, if has been noted the seedbadk, if has been noted the seedbadk, if has been noted the seedbadk, if has been noted to feedbadk that we have received on this case of the seedbadk that we have received to this case of the seedbadk that we have received the seedbadk that we have received the seedbadk that the	ty an/A	We appreciate your point of view. However, the majorit of feedback that we have received on this outcome has indicated support to move the focus onto electronic resources.	taught in outcome 1.1 - typ of charts.	Thank you for your feedback, it has been noted	d an/A	WA/A	#PA(PA	This has cert into account modernisation. Thank you for your feedback, it has been noted and we are in agreement. Standard to 1 level and the capability rec	ias been noted.  sinly been taken and this in is being with input from writime colleges.  any/A. ng to set the the appropriate meet the guirements to te standards, as	Dank you for your feedback, it has been not feedback in the feedback i	n is	#N/A	eti(A	en/A	We are in agreement and your suggestion has been included in Dark Module	House you for grunt week of the section of the sect	encja.	ani/A	anc/s.	ens/s.	Thank you for your feedback, it has been nodes	anu/A	stat/s.	Thank you for your faceflows, this been noted. The concept will not be the concept of more to be the concept for more than took available. The specifical mentional for throughout the race of the product for more discount for the concept for more discount for the concept	anja. anja.	Thank you for your feedback, that been noted and one or in agreement.
Your Feedback - Outcome 3	an/a	an/a	an/A	an/a	anja.	3.1 include ECDS safety checks	MA	athi/A	ani/A	with passage been not so with the same with this. We must be same with this. We must be same with the same with th	anfluse cadets member that at phase 5 - gent one year such are still sea legs. Some even manage the silly idea of sea time with tis approved, pi in a soverely lest of officers te over been	The principle of passage pipering deadled reliable to the said of sealest resident r	ge. gi a  al  gi a  al  gi a  al  gi a  al  as a 1 - No should not be  limited to SEEMP, eg  Environmental, Voyage  optimization - surtainabilit  id	en/a	en/A	en/A	ets/A	SEAM introduction is a geodesic step.	en/a	ani/A	ani(A	sm/s.	3.3 highlight the dangers of wagonin rungition and usef track centred	a an(/A	stat/A.	make proper use of navigational features (e.g. head bearings) and head bearings) and head bearings and	uses introducer cadest. macronome and property of the feature and of t	Garage efficiency shoulders for a property of the dealthrile, if an employer want to energy about Energy efficiency, thus produced Energy efficiency, thouse produces, a footh reserved to be taught at cladet level.
Sub-Group 1.2 Response	MPL/A	MPA/A.	894/A	MPA/A.	MN4/A.	Thank you for your feedback, it has been noted feedback, it has been noted by the provide more information to your feedback. Are you referring to ECDS self-hor safety parameter roots of bed parameter roots of bed feedback, all you have feedback provided by the providency of the pro	1. 5 70 ann/A. 50 17 17	MPA/A.	a04/3.	We apprecia #N/A view. Howev of feedback received on t	has been noted.  te your point of  er, the majority  that we have	Thank you for your feedback, it has been not we can reassure you that are not suggesting to me the principles of passage planning, including washing changing you whaten the by including \$25.00 as a blend.	feedback, it has been note over We are in agreement with your feedback and this will be reflected in the updates em	d. MNJ/A id	80 <sub>4</sub> /A.	ang/A.	anga.	Thank you for your feedback, it has been noted.	MN/A	ath/A	any a	MN/A.	Thank you for your feedback, it has been noted the common of the common		MN/A	We are in agreement with the overacting message of your feedback, we are in dath the specific mentioned throughout your comment.	you for your  (di, this believe mosted.  di, this believe mosted.  an appealment with  an appealment with  an appealment with  an appealment with  any Appealment with  appealment mentioned  though your comment  sade covered in  (O).	Thank you for your feedback, that been moted.  Feedback, it has been moted or was precisely your goint of  view. Normover, the migrolity  and Readback that we have  has indicated support for its  indicated support
Your Feedback - Outcome 4	A fact reducing of this subject of the subject of t	SAVA	an/A	M/A	MIA	MAÇA	Mix	IIN/A	4.2 who still undertakes manual field activations staffer than jot staffer than jot staffer electronically the tide	should grow for processor or processor or	ion of foul in classification and classification and classification and classification and classification of classification of tide on many plots, because it on this and the 200ff is in this continue of the classification of the classificatio	The cost of admirally field into the cost of admirally field into the cost of	ors t uni/A	That colsulations are executed for a margintre at the street of the stre	atu/A	en/a	Show the full capability of for full for submare but emphasize that it is only a prediction.	not need to be	encja.	anija.	ang A	SN(A	not sure what value simulations can play with titles but agree with the confusion of the sure of the confusion on the state of the back manual theory has been covered.	ença,	ans, is,	Use total tide as well as each total seed and userest function to be a full as the function to a passage planning, include a weather passage planning, include a weather passage planning, include a seal of the function of t	ançia ançia	anya anya

Sub-Group 1.2 Response Still be There emphy electro	k you for your sack, it has been noted.  rain agreement that support the second of the	MN/A	894/A.	an/a	ent/a.	MN/JA	ani/a.	an/a	Many thanks for your feetback, it has been noted feetback, it has been noted feetback in that correspond to the common dation suggests to place more emphasis on tidal software.	Thank you for your feedback, it has been noted We agree that the emphasis should be moved towards tidal software. However, feedback to this consultation has shown support to keep the manual radintalines as a	manual calculations should	athij(is.	Thank you for your feedback, it has been noted. Upon completion of the Cadet Syllabor review, this coming group will review the TRB and tales this point forward into that review.	encja.	Thank you for your feedback, it has been noted and we are in agreement.	ans(A.	encja.	Thankyou for your feedback, it has been noted and we are in agreement.	Thank you for your feedback, it has been noted. We are in a generate that seement that the seement of the seement that the seement seement to the seement seement that seement seem	ans/a.	anija.	an/A	ang A.	Thank you for your feedback, it has been noted and we are in agreement.	#34/A	ane, f.v.	ang/s.	Thank you for your feedback, it has been noted and we are in agreement. Pessage Planning module.	894/A	sou/A	an/A	SN/A
propop the ve the control of the con	subject that seems ted and time mig for a cade is in ming for a cade is in ming for a cade is in a few parties, in down the weights, in down the weights, in down to the weights, on the weight growth to the cade index of the weights	en/A	en/A	89L/A	MA/A.	an/a	anja.	an/a	anja.	stu().	Agree - a detailed sylinious should be forcitated in all marriers in estimates (exactly like the one used in MO marriers in estimates (exactly like the one used in MO model courses). This level, where couldes have been a time of the sevel, where couldes have have been at one for 1 year (12 most time), cover still, that sharply been at large for 11 year of 12 most time), cover still, that large complete marriers having for time of the year having the filler year as a short 12 hour topic. There is no other topics at the moment.	804/A	stic/s.	ança.	ani(A	anuja.	Must all train some basic technical skill on PC problem solving	management to be focussed on at every opportunity with human element.	I do not agree that Data Scenes Shit should be a separate topic of many part of the should be a separate topic of motions of Cades and Officers unless and Miller Should be shou		ani(h.	anu/a.	#N/A	#N/A	Why would you want to ensure all outcomes are all outcomes and all outcomes are all outcomes are all outcomes and all outcomes are all outcomes are all outcomes are all outcomes and all outcomes are all outcomes are all outcomes are all outcomes and all outcomes are all outcomes are all outcomes are all outcomes and all outcomes are all outcomes are all outcomes are all outcomes are all outcome	why are you using the exost constant and list of when all you ready mean in use an example, keep it Group's keep it says, Students and Italian Students and Landows to not need words mormally use everyday chample is good enough	en/A	an/A	Data science skills. Please included specific Microsoft East Saning, Every role in the deck department, requires a working transvellage of Microsoft convent called pairs have mover used East Indice.	8N/A	#N/A	SNA
Sub-Group 1.2 Response raviga propo model releva	t thanks for your ack.  Inc., excludest in angistion included within this last will, written and an idea with the last will, written and a real purposes and appropriate with provided with laws and purposes and appropriate provided by the provided purposes and appropriate with a purpose and a purpose	MN/A	MN/A	ans/A	ang/A	an/a	anja.	an/A	anja.	an/a	Many thanks for your faceback. We can confirm that a desaid or glutary and the control of the control of the control of the control of the process and cruciated to marcial or control of the process and cruciated to marcial or configure.  With regards to MELM, while we appreciate your point of an experience of the control of the contro	anço.	ançıs.	ang ta	ancja.	anços	Many thanks for your feedback, it has been noted.	Many thinks for your feedback, it has been noted and we are in agreement.	Mamy thinks for your feedback. This is a topic which we are looking to introduce above to hope the property of the skills of readirent, and of the skills of readirent.	angs.	ancja.	ança.	angs.	en/a	Many thanks for your feedback, it has been noted.	Many stanks for your feedback, it has been noted.	en/a	an/A	Thank you for feedback, it has been noted.  This learning outcome is proposed to be covered a sopposed to be covered a sopposed to be covered a sopposed to the specific deals which self-data analytics tools is egipted to be covered.	#N/A	8N/A	ania
Your Proposed Outcome	sh4/h.	cc se en en en sh sh sh sh sh sh sh sh sh sh sh sh sh	or Tidal predictions and valculation (particularly secondary tides) three secondary secondaries for secondaries for secondaries for secondaries for secondaries for secondaries secondaries secondaries secondaries secondaries secondaries secondaries and data orders and data orders and secondaries are secondaries as seco	8N/A	SFA/A	an/a.	Calculated navigation and pitesting.	an/a.	BN/A.	894/3.	There is a meet for a directled product of the control of the cont	494/A	ançis.	Passage Planning additional considerations to SIAMP include Environmental Considerations to SIAMP include Environmental Consideration to SIAMP include Environmental Consideration of SIAMP included Research Consideration SI	#N/A	Do not focus entirely on data science.	Technical skills on PC hardware	anija.	anqis.	and v	#N/A	SALA	Using costal charts to possible it for	854/A	ats/A.	#N/A	8N/A	8N/A	Introduce cades to paining planning software such as Textor, as well as passage planning on ECDS.	8N/A	only teach things like dead reckoning, manual fixes, calculating ETAS etc as contingencies, not routine	Phase one needs to heavily focus on CCDS and relative use as I was expected to how have to see that the company of the company of the spent task than a day using CCDS and relative
Your Rationals for this outcome	894/A	an th	o reflect real life scenarios nd to demonstrate that here isn't a great need to ompitals multiple morpitals multiple when there is accurate own morely available total formation already existing.	8N/A	ma/A.	an/a	As the use of ECDIS become more widely used the basic concept of clerkstal navigation is of course valid application is difficult glue the lack of meaning as the lack of meaning as the formation. We want that you should check the GIS position but deep saw with only ECDIS this will prove challenging.		an/a	steel J.A.	For the detailed seaching splittlens - To ensure splittlens - To ensure standardized harmonistics transdardized harmonistics transdardized harmonistics transdardized harmonistics transdardized harmonistics transdardized harmonistics of the free detailed harmonistics of the season of a lisea at soling as they are currently able to use use pages chaffes about they have loss of hands on practices, 110 L Currently, cadets purchase their own chaffes and use their own chaffes and use them in as well as outside the institute, and pleasance and pleasance of pleasance of the season of the sea	an <sub>s</sub> ().	#P4/5.	Important factors in this increasingly litigious and changing emissionment, and maintaining awareness / walldry	and to	While data science is useful it must all it must all as most be made to a form a primary. Pager log enthick, permits etc are still used and not yet electronic. While an emphasic needs to go treaserie electronics in this form, it should not be to the detriminant of pager.	To understand the PC hardware and software To have basic thousage on the two that Basic knowledge on using mandatory softwares.	and/A	and A	and v	#N/A	anija.	It is beneficial to understand how paper charts relate to what it seen on an ECDIS screen.	ath/A	ath/A	and v	MN/A	atu/A	Many companies are using passage planning software such as Nation as such as Nation as such as National partial partia	#N/A	Mostly the ECDIS calculates ETAS, GPS provides positions in Exercise and a calculations only in need to be used if these things fail	ICDIS training in phase 1 to help better prepare cades: for initial seatine
Your Action for this outcome	MN/A	tic no w wn/A. An or av so th	o remove the emphasis on alculations for secondary dees (most larger vessels will to commonly enter a port where you need to calculate secondary die anyway), and to put more emphasis to take in the larger wallable on electronic surcest and how to relate this to pessage planning and alculating safe tide heights.	ani/A	804/A	an/a	Teaching cadets how to conduct plots using graph paper or possibly a radar plotting share.  Both are examined at the Chief Mate level, but this, should be videly taught at a more justion level.	894/A.	an/a	#01/A	For the more detailed syllabus - the UK MCA will need to make this and then make it awailable on the MCA website (as a M notice). For the ECDS Demo software - the UK MCA would need to akk ECDS manufacturers to do so.	#54/A	870./A.	To be added to the course syllabus	#04/A	Make people aware of data science, push them towards it but do not focus entirely on it.	Include the training as a part of training	#54/A	#70.FA	#0(/A	#34/A	#25/34	Continue to use parallel rules and dividers to take running fines, transit bearings light sectors etc.	MN/A	#94/A	#PA/A	#N/A	#N/A	Introduce cadets to possage planning software such as Navtor or equivalent.	#N/A	Only teach things like dead rectoring manual fixes, calculating ETAS etc as contingencies, not routine	more ecds use
Sub-Group 1.2 Response	MN/A	WN/A co	Alany thanks for your seedback, we are in greement and believe this is overed by our suggestion to ontexhalse outcome 4, outside outcome 4, outside outcome 4, outside	MN/A	MALA.	an/a	Many thanks for your feedback. Please be assured that their principles are already taught and a COW level in However, as per the clessful hougepon module, we are looking to modernise the processes being taught in include the use of electronic recourses.	E .	MN/A.	an(A	Thank you for your feedback, it has been noted. As part of the modernisation process we are intending to modern the modernisation process we are intending to document to provide this function. Within regards to electronic charts, we will ensure that appropriate teaching resolutions to the modernisation of the modernisation	ato(A	anuja.	Many thanks for your feedback, we have added this to outcome 3.1.	and in	Many thanks for your feedback, it has been noted. While apper recording to the second of the second	Through the change in focus towards using electronic resources as the primary means of navigation, Cadets will naturally gain a greater understanding of the equipment they are using including hardware and software.	anga,	ans, is.	and v	and a	an/A	Many thanks for your feedback. We are in agreement that these topics should still be covered to enable their use in a contingency shuston. However, as noted in this modular and supported by industry feedback, the main focus of this smoother will be a focus of this smoother will be considered with the control of the cont	ath(/A	MTA/A	and v	#PA/A	an/A	Many thanks for your feedback, it has been noted. We are in agreement that passage planning software should be included in the systabus. However, we feel it in the management level "Passage Planning" module, so have this suggestion there.	#N/A	Sporthark it has been noted I	Thank you for your feedback, it has been noted and we are in agreement.

Role	Chair	Ето	Cadet - ETO	Systems Engineer	Retired ETO	Vice Principal Learner Expereince
Organisation	Nautical College Representative Organisation		International Shipping Company	Systems Engineer International Shipping Company	Ex Merchant Navy	Nautical College
Module	ETO - Mathematics for Engineering	ETO - Mathematics for Engineering	ETO - Mathematics for Engineering	ETO - Mathematics for Engineering	ETO - Mathematics for Engineering	ETO - Mathematics for Engineering
Your Feedback - Outcome 1	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
Sub-Group 1.2 Response	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
Your Feedback - Outcome 2	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
Sub-Group 1.2 Response	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
Your Feedback - Outcome 3	I am not against adding this section to this Mathematics module, but I feel that this Outcome is covered in 3.4, adding and subtracting numbers in complex form. The Outcome in the Electro-Technology was included as this is the only place that Cadets will use Complex Numbers so gives significance to the teaching within the Mathematics unit. Removing this from the Electro-technology will lead to 'Why do we need to learn this'. The maths unit must be taught at the start of the curriculum, the Electro-technology coming later. The Cadets are applying their learning of the Maths unit within the Electro-technology therefore giving relevance to the need to understand the maths.	3.7 Hard to say without seeing module 7a. Complex numbers in the rectangular form are useful for representing inductive and capacitive loads with regard to power factor.	#N/A	is 3.7 not covered by 3.4?	#N/A	#N/A
Sub-Group 1.2 Response	Many thanks for your feedback, you are correct and this is already covered in outcome 3.4, we shall not include outcome 3.7.	Many thanks for your feedback, you are correct and this is already covered in outcome 3.4, we shall not include outcome 3.7.  For all outcomes contextualised, I am in two minds.	#N/A	Many thanks for your feedback, you are correct and this is already covered in outcome 3.4, we shall not include outcome 3.7.	#N/A	#N/A
Your Feedback - Outcomes Above and Beyond	#N/A	When I was a cadet on the pilot scheme for TO 2010- 2013 many of the courses we had seemed to have been chosen because they had a lecturer free to teach it rather than it being good preparation for the student for their vocational role at sea.  To satisfy the course funding there seemed to have to be a certain amount of academics. A good proportion of it was a waste of time and is sy that as someone who enjoys studying for the sake of it. I am studying an open university degree right now for for in inversity degree right now for for in of the acadeship is to be purely useful for the vocation and all in the context of the job then a good proportion of the academics are unnecessary.  If the cadeship is supposed to give the students 2/3 of a degree to be used in the future when they wish to move shoreside and work as an electrical engineer then the modules need to be accredited with the engineering council so a student can do a 1 year topup course and become an incorporated engineer. The system at the moment is a mess.  Helm - this sounds a good idea in theory but how do you apply helm to mathematics in the workplace. Dont do maths when fatigued??	Very hard to see how human elements could be incorporated into a pure maths module.	#N/A	much can be gained by sea time provided they are linked to english speaking training officers	I agree that Data Science Skills requires to be included, but feet that by introducing it as a stand-alone module will encourage it being seen as a stand alone unit rather than a unit intertwined with application. The learning activities being used in centres to teach theoretical concepts could be reviewed to embed data analysis (similar to as educations would with core-skills such as communication, numeracy and problem solving). This review of learning activity would be more impactful in achieving the objective set out.
Sub-Group 1.2 Response	IN/A	Many thanks for your feedback.  With regards to contextualisation, please be advised that we are updating the syllabus to make it more relevant to the jobs on board vessels, however, we will not downgrade the academic standards. This should ensure candidates achieve their academic and STCW qualifications.  HELM would not be applicable for this module, however, we have included as a recommendation on every module in case any opportunities to include had been missed by the group.  Data science includes data comprehension, analysis, presentation and taking actions based on data. While there may be no opportunities to include in this module, there are many other areas where this will be relevant such as interpreting diagnostic reports.	Many thanks for your feedback, agreed and noted.  This is a standard outcome we are looking to achieve above and beyond the standards of STCW and has been included on every module. However, we do agree that in the case of this module, there have been no areas raised where we can include human elements.	HN/A	Many thanks for your feedback.	Many thanks for your feedback.  While we have suggested a standalone topic for Data Science, we are also looking to include this throughout the syllabus in the context of work on board.
Your Feedback - Outcomes Above and Beyond						
Your Proposed Outcome	BN/A	INJA	Statistical methods are becoming prevalent in modern technology, AI, automation and autonomous systems rely heavily on statistical models to operate and a greater understanding of how these work would be beneficial at the highest level - ie if honours degree programme where made available.	INJA	BN/A	BN/A
Your Rationale for this outcome	#N/A	HN/A	Same as delivery for rest of mathematical module or use of non- mandatory online self learning modules which could be available to students who wished to go beyond the basic syllabus.	#N/A	#N/A	#N/A
Your Action for this outcome	#N/A	#N/A	Create content either to incorporate into module or online course content if creating as a add on.	#N/A	#N/A	#N/A
Sub-Group 1.2 Response	IIN/A	IIN/A	Many thanks for your suggestion.  While we appreciate your suggestion and think this is certainly a fascinating topic, we believe it is too specialist to be included in the Cadet Syllabus and the proposed Data Science module would cover these topics to a more appropriate standard.	IIN/A	#N/A	HN/A

Role	Cadet	Small Ferry Engineer	Chief Engineer	Second Engineer	Engineer Cadet	Vice Principal	Academic Exemption Assesor	Academic Exemption Assesor
Organisation	International Shipping Company	National Shipping Company	Private Yacht	National Shipping Company	International Shipping Company	Nautical College	Nautical College Representative Organisation	Nautical College Representative Organisation
Your Feedback - Outcome 1  Sub-Group 1.2	Marine Engineering - Thermodynamics Although it can be argued that all out comes provide a base knowledge for the practical aspects of thermodynamics the subject is truly useless in day to day life on ship. The mathematical side of this subject is pointless as an OOW would never have to (for example) work out the rate of expansion on a pipe when a temperature is applied.  Many thanks for your feedback	Marine Engineering - Thermodynamics #N/A #N/A	Marine Engineering - Thermodynamics #N/A	Marine Engineering - Thermodynamics #N/A	and systems found in the engine room.  Many thanks for your	Marine Engineering - Thermodynamics Review of assessment methodology/evidence gathering woudl greatly benefit learning of these subjects. For example a range of simple experiments and lab reports could easily demonstate the knowledge required at the operational level, in additton to enhancing concptualisation. With this learnign outcome, it is very easy in teh existing framework to concentrate on the numerial problem solving aspect of the subject rather than developing a conceptual understanding of the thermodynamics involved in these processes. Many thanks for your feedback we are in	Marine Engineering - Thermodynamics #N/A #N/A	Marine Engineering - Thermodynamics #N/A
Response	feedback.  While we agree the focus of this outcome should be more focussed on practical elements. It remains essential for seafarers to understand the underpinning information that impacts these practical elements. This approach has been widely supported by industry. In addition, this is core engineeering knowledge, which provides useful transferable skills for an engineers future careers.				feedback.  We believe that the focus of this outcome should be more focussed on practical elements in order to highlight how this principle is relevant in the engine room. It remains essential for seafarers to understand the underpinning information that impacts these practical elements. This approach has been widely supported by industry. In addition, this is core engineering knowledge, which a marine engineer may need to complete various processes in the marine environement and ashore.			
Your Feedback - Outcome 2	Again this outcome is stupid "modernise - cryogenic fuel storage systems" that is something that can be covered in a subject like auxiliary systems or naval architecture.  The modernisation of pointless outcomes is futile.	#N/A	#N/A	Outcome 2, this needs to include cargo refrigeration and reliquification systems as well as storage systems.	#N/A	I am not convinced that the revised sub-outcomes in their existing form will lead to a change in applying the desired theory to modern fuels. More directed contextualisation might be required to ensure that the intended outcome is being achieved, rather than leaving this to the centre's discression.	#N/A	#N/A
Sub-Group 1.2 Response	Many thanks for your feedback.  While we appreciate your opinion, the general consensus from the working group and feedback from the industry survey is that this would be a welcomed change.  Cryogenic fuel storage systems were only used as one example of the reason this modernisation is required.	#N/A	#N/A	Many thanks for your feedback.  The intention is to be able to teach the principles of this topic, with practical examples of where they are applicable. The examples you have provided are other potentials that could be used.		Many thanks for your feedback.  While we argree that these sub-outcomes should be contextualised and we will highlight this in the indicative content of the finalised module, we also need to ensure that we do not become too prescriptive and inflexible in rapidly a changing environment.	#N/A	#N/A
Your Feedback - Outcome 3	All outcome points repeated in many subject so it is pointless to have it here.	#N/A	#N/A	Included in this should be practical sessions on calculating engine efficeincy and unbalance and what factors to take to correct these issues.	#N/A	#N/A	#N/A	#N/A
Sub-Group 1.2 Response	Many thanks for your feedback.  During our review we have endeavoured to remove any repitition. If you can highlight where else in the syllabuses these topics are covered, we will review and respond. Please send any additional feedback to ctandm.enquiries@mcga.g ov.uk	#N/A	#N/A	Many thanks for your feedback, we are in agreement with your suggestion and have attempted to reflect this in our suggested actions.	#N/A	#N/A	#N/A	#N/A
Your Feedback - Outcome 4	Arguably the only part of the subject that has an relevance to jobs whilst onboard ship.	#N/A	#N/A	4.2 Needs to be modernised to take into account behaviour of liquified gasses in storage. 4.3 Needs to be modernised so that there is a better understanding of how liquified gasses behave when stored. 4.7 Needs to be update to include alternative and future fuels.		#N/A	#N/A	#N/A

Cub Carres 1.2	NA	481/8	шы / А	NA	401/0	401/0	шы / А	401/0
Sub-Group 1.2 Response	Many thanks for your feedback.	#N/A	#N/A	Many thanks for your feedback.  We are in agreement with regards to outcome 4.2, 4.3 and 4.7. This outcome provides the underpinning knowledge to understand the topics you have suggested and those topics may be used as examples as part of the contextualisation of these outcomes.	#N/A	#N/A	#N/A	#N/A
Above and beyond STCW	"Include data science skills" we are training to be marine engineers not data processors. We don't need to know how to do that we need to know how oil is transported through the piston or how the ship doesn't sink.	#N/A	#N/A	In order to help conceptulise what is being taught it would be useful if colleges were able to pair up with ships that call into ports near them and organise visits for the cadets.  Given that there is no way to know the quality of the sea time expereince cadets will have as much use as possible should be made of ship visits to provide some basic level of control over some of the shi; board expereince the cadets get.		The learning outcomes require more specific direction for centres and assessment methods need to be revised to ensure that they are assessing the application and understanding of concepts rather than mathematical application. This could be achieved through practical experimentation, simulation and reports rather tahn closed book examinations.	#N/A	#N/A
Sub-Group 1.2 Response	Many thanks for your feedback.  The indication from the working group and survey feedback is that data science skills are used, if not explicitly, in the day to day work of an marine engineer. As such, we believe that understanding how to make best use of these skills would be beneficial.	#N/A	#N/A	Many thanks for your feedback.  This a a very good idea, although not something we can implement through the syllabus modernisation. It will be fed back to the nautical colleges.		Many thanks for your feedback.  We are in agreement that the assessment processes require modernisation and this will be reviewed upon completion of the syllabus content review.	#N/A	#N/A
Your Proposed Outcome	funding can be directed to more useful subject such as fundamentals of control	are essential skills for seafarers and one day a week is not long enough.	With regards to fuels, the inclusion of low sulphur and cryogenic fuels are on par with the technology curve. We should be AHEAD of the curve and also touch on research and development into synthetic fuels and other combustible liquids like methanol which is being trialled by some companies. It is being prepared and ahead of the curve, not catching up which the marine engineering syllabus has been doing for decades.		#N/A	#N/A	I think that the wording in the second column	The second column marked 'Rationale' uses the term 'It is useful to know' I think these statements should be strengthened to say - 'It is essential to know'
Your Rationale for this outcome			The development of modern ships will move toward more thermal encasement of the machinery as we move to reduce any 'lost' energy and improve waste heat recovery. This means that engineers will need to be able to form a mental picture about how well the machinery is operating. This picture will be built up by their understanding of the scientific principles involved as well as the mechanical arrangement of the machinery.	#N/A	#N/A	#N/A	#N/A	#N/A
Your Action for this outcome	Online learning and workshop learning combined together over several months focused on welding and fitting.	Realistic examples to demonstrate the research in these fuels and to include their characteristics in the studying of thermodynamics.	Change the wording of the rationale to reflect the importance of being able to form the correct understanding of the operation of modern machinery when it is not easy to get close to the equipment itself	#N/A	#N/A	#N/A	#N/A	#N/A
Sub-Group 1.2 Response	T'	suggestions, this is not relevant to the current	Many thanks for your feedback.  We are in agreement with your sentiments and have left the outcomes flexible so that modern and future technologies are covered in the syllabus. The examples of low sulphur and cryogenic fuels were not an exhaustive list and all relevant, modern and future fuels will be required to be covered.	#N/A	#N/A	#N/A	Many thanks for your feedback.	Many thanks for your feedback.

Role	Curriculum Manager	Deck Cadet	Director	Chief Officer	Crew Operator/Training Officer	OOW Unlimited (Deck)	Cadet Manager	Navigating Officer	Maritime Standards Manager	Navigation (Examiner) Manager	Director, Marine HF	Marine Assurance Manager	Marine Superintendent	Lecturer	Second Officer	Deck Cadet	Chief officer	Cadet
Organisation	Nautical College	International Shipping Company	Maritime Charity	Freelance	International Shipping Company	Maritime Charity	Maritime Charity	International Shipping Company	Government Regulatory Body		International Shipping Company	UK Utility Company	Offshore Supply Services	Nautical College	International Shipping Company	International Shipping Company	Superyachts	International Shipping Company
Module	Deck - Bridge Watchkeeping	Deck - Bridge Watchkeeping	Deck - Bridge Watchkeeping	Deck - Bridge Watchkeeping	Deck - Bridge Watchkeeping	Deck - Bridge Watchkeeping	Deck - Bridge Watchkeeping	Deck - Bridge Watchkeeping	Deck - Bridge Watchkeeping	Deck - Bridge Watchkeeping	Deck - Bridge Watchkeeping	Deck - Bridge Watchkeeping	Deck - Bridge Watchkeeping	Deck - Bridge Watchkeeping	Deck - Bridge Watchkeeping	Deck - Bridge Watchkeeping	Deck - Bridge Watchkeeping	Deck - Bridge Watchkeeping
Your Feedback - Outcome 1	en/a	Standards should be set for the graphics of the simulation on ensure they are realistic and practical. In cadets are not looking at projects and lights can be easily distinguished.	zm/A	ate/A	awa.	aya.	styl A	computer	bridge or desktop simulation for IRPCS and IALA buoyage	White broadly agreeing with the statements and the fact that this tapic is executed and must remain in the splicis received index explicit and the statement in the splicis received in the splicis and statement in buyings and IAAA requirements. All Above recently produced a politicine C-317 Guidance on blattings Albi to Novigorio, and Albi and the Novigorio Albi and the splicis and the IAAA before the proplems associated with them. The relevant guidelines can be found on the IAAAA whether is produced up that GALA will be splicis associated with them. The relevant guidelines can be found on the IAAAA whether is the IAAAAA state and the	sto/A	ath/A.	and/A	to UK (MAIB) that illustrate the IRPCS.	Callengs is obtained; the foundation of the job bits and - but repeating the rules; werbatim downshift help separate, sharing suited with many different from werbate, and the second section of the properties of the rules to make many systems apply epichars and resemble for less than salter special sense of them. Many cacles who regorgation also different less to make many particular sense of them. Many cacles who regorgation are of them. Many cacles who regorgation will be called the set options and register found on what the rules makes a picture and register found in called the set options and register found in what the rules register in what called the set options are depicted in the called the set of t		anu/a	stn/A
Sub-Group 1.2 Response	en/a	Thank you for feedback, agreed and noted.	IIN/A	ats/A	ats/A	att/A	m/A	Thank you for feedback, agreed and noted.  Other means of teaching remain relevant and will be included within the syllabus.	Thank you for feedback, agreed and noted.  Other means of teaching remain relevant and will be included within the syllabus.	Thank you for your feedback, this remains a key part of the tracking syllabos and will continue to be. We are confident that within the Ut this is taught and assessed to a high standard. Thank you for highlighting the relevant guidelines and documents.	m/A	sty/A	zn/A	Thank you for your feedback, case studies and relevant guidance will be used throughout the teaching of this module to provide examples.	Thank you for your feedback.  The intention of the learning outcome and the recommendation for the use of simulators is intended to have the result noted in your comment.	204/A	mt/A	EN/A
	Regarding items 2.3-2.5 could this be achieved through the use of computory simulator time to add some 'realars'. I show that colleges are alse to do this if they feet a lab covered in the NAST course, but if the immissians could be used as standard practice from the very start of a cadest training, then the flow can only benefit surrough the country of the training, then the flow that can only benefit to with partical, leagued the stations regarding and challenging for the required level that is needed.	mu/A	I presume this module includes technical transformation and the use of data.	strs/A	DN/A	Outcome 2.6: I believe this needs to have clear outcomes within this topic about what parts of engineering rever to be classed within the dack department and how this will fine with our discless. The control of the classes of the c	204/A	To include BMO Standard Marine Communication Phrases. To include the overlap between IRPCS and Captains Standing Orders.	Agree that no changes in this region are required at this stage.	BN/A	an/a	Outcome 2 had no task entered in the rows, assuing this has to be kept.	ang/A	Agree, in addition, these topics are vast, hence clearer and more specific politions is needed from the UE (Georgens, Juliang wides exactly, history wide (Asset), which will be considered to the size of the considered to similar manner that the IRIO model courses 258 does for OOW to countries that follow the IRIO Model Course.		an/a	anu/A	ZN/A
Sub-Group 1.2 Response	Thank you for your feedback, this has been noted and agreed in principle for the whole outcome.	an/A	Thank you for feedback.  As per the survey, we are looking to include data scienc skills where applicable. Please may be used to where within this module you think they would be relevant?	e #14/A	atu/A	Thank you for your feedback, this has been noted and a note on contentualiting this outcome has been added.	ans/a	Thank you for your feedback, these factors are already included within the syllabus.	Thank you for your feedback, it has been noted.	ent/A	204/a.	Thank you for your feedback, our intention is to keep outcome 2.	zn/A	Thank you for your feedback, it has been noted.	Thank you for your feedback, it has been noted.  We have added a suggestion to use simulators to provide contentualised learning for cadets with regards to these outcomes.  The engineering topics you have noted are covered in the management level module.	ani/a	<b>■</b> 0/A	EN/A
	As mentioned prior, learning the theory and then computery/recommended simulator appreciate that this will have challenges in its own right but a called in this lay to have much shop much shop much shop sheatheading experience ordexed their (some sheatheading experience ordexed their (some sheatheading in simulator could give them a little but of apprience and understanding in this area.	Williamson and	n mv/A	ate/A.	aw.	BN/A	include different types of so-pollists? The second	To include much more emphasis on mon standard methods of other than just RHFPP, such as a azipod toe angle.	Agree that no significant Changes in the way this subject in Cased bod is required.	* sn/A	3.2 Can we ensure the training for manoeuviring in manoeuviring in conventional proposition but also includes other configurations such as multiple asipods.	atts/A.	an/A	No comments	I do agree this must be kept but speaking from personal experience this is an area happy licities when gone to see. Take happy licities when gone to see. Take happy licities when gone to see. Take he allowation masses to the Selfarre. More personal cerection such as crashing, such yeller harmon professional stranger and expectably different ananounces, and expectably different ananounces, and expectably done to have the communications when between the communications when between the proposed such as distances etc.	Many ships are opting to use aslipeds and DP systems. It would be helpful to cover these systems in these systems in these systems in more detail than these systems an overview of the industry as a whole.	ans/A	sta/A
	Thank you for your feedback, it has been noted and actioned. The practical operational level of ship handling is covered during the NASTIO) covers. This outcome provides the theory and we will make sure these are listed with the practical high handling in NASTIO) or and we will make sure these are listed with the practical high handling in NASTIO) or Further simulator time has also been recommended at the Management Level.	Thank you for your feedback, it has been noted.  We agree that modern propulsion systems should be included. However, the wording of this outcome allows for modern and future propulsion and their included in the course guidance to the course guidance document produced.	#N/A	204/A	an/A	etųA	Thank you for your feedback, it has been noted.  We agree that different propulsion systems about the included. However, the wording should be included. However, the wording for modern and future propulsion and their characteristics to be traight, this will be included in the course guidance document produced.	Thank you for your feedback, it has been noted. We agree that different propulsion systems should be included. However, the wording of this outcome allows for modern and future propulsion and their propulsion and their included in the course guidance document produced.	Many thanks for your feedback.	an/A	Thank you for your feedback, it has been noted.  We agree that modern propulsion systems should be included. However, systems should be included. However, the wording of this outcome allows for modern and future propulsion and their characteristics to be buight, this will be included in the course guidance document produced.	an/a.	and A	Many thanks for your feedback.	Thank you for your feedback, it has been roaded and actioned. The practical, operational, level of ship handler is toward drawn the NASSIOI account. This columns prouded that theory would be the control of the control of the columns of the NASSIOI or exits obtaining time in the simulator. Further simulator time has also been recommended at the Management Level.	the wording of this outcome allows for modern and future propulsion and their	and/A	SIN/A
Your Feedback - Outcomes above and Beyond	Instead of having MELM as a stand alone covers, coads disk subject and tasks us be made of the acceptance of the standard reading of the acceptance of the standard reading of the acceptance of the standard	#N/A	Will this include safety culture?	876/A.	The syllabus seems to lack any reference to human element training or understanding end demonstrating or advantanting end design with human factors, when the triggs is one of the country	σγΑ	anu/a	BRM, leadership and management to be focused on at all times along with human element.	which is either examinable or forms part of Cadet assessment is either necessary or desirable unless and until IMO changes to STCW are	as all of the risks are also highlighted. This should include resilient PNT and other factors which could drastically hamper data transfer as	d STN/A	ats/a.	I have already made my feelings known in regard to using big words when smaller and more understood ones will do, You are writing a sylabou, not trying to impress	Data science skills can be explained using 4-5 different action white (Bloom's transcripe) for the same task - scach resulting in different fearing. Example:  Logical Control of the C	an/A	Data science skills- please introduce al Microsoft Eucel is used at all levels in the deck department of my cader colleagues have never used the software.	and/A	I don't think one could get to the stage of a cadetahlp (via passing Standard Carde/IGCE English, maths etd) without salikii. They don't need to be gone over again during the cadetahlp.
	Thank you for your feedback.  Our intention is to incorporate Human Element Factor throughout the yillabus. Approved Training Providenc can either a can be seen to be seen as an integrated part of the syllabus.	m√A	Thank you for your feedback. Safety culture has been included throughout this module.	ats/A	Many thanks for your feedback.  Through this review process, we are cooling to add farther Pursuan Blement Factors throughout the sylabus, as it is already cowered within some part of the sylabus.  Your comment regarding this specific.  Your comment regarding this specific covered, where relevant, with regards to Bridge Watchkeeping.	en/A	ath/A.	specific module has been taken on board and we will ensure Human Element Factors are	Many thanks for your feedback.  This is a topic which we are tooking to introduce above an beyond the requirements of STCW, in order to future proof the skills of seafarers.	Many thanks for your freeback.  Any Data Science models would lost to include a site of the second second second second free specifics of this models would lost free specifics of this models would lost free specifics of this models would second free specifics of this models would second free specifics of the second second free specific second	20N/A	20N/A	Many thanks for your feedback	Many thanks for your feedback, we greatly appreciate you keput. The specifics of this models would be determined as later date and your feedback will be considered.	any/a.	Thank you for feedback, it has been noted.  This learning outcome is proposing a general topic to be covered as opposed to be covered within that topic. However, the use of dayless conjusted to be covered to be covered to be covered.	ani/a.	Thank you for your feedback, it has been noted.  However, we will need to provide data skills at a higher level than achieved previously. These will include data analysis, interpretration and the use of data in different areas on board the vessel.
Your Proposed Outcome	en/a	EN/A	EN/A	Vessel manoeuvring - cover more than just single screw fixed prop. Addressing all types isn't feasible but at least an introduction to controllable pitch, azipods, bow thrusters etc.	atv/A	an/A	an/a	IN/A	#N/A	ats/A	IN/A	m/A	zn/A	In addition to the items written, a clear syllabus is strongly reselect, so that all colleges in UK tasses the same general factors in at least the same to the deriment of cades and lacturers. Whereverselves, this solded be aboo (injured) like MO Model course 7.03) and should be made available to all resultant colleges and students.	atų/a.	zn/A	Morse code needs to be either taken out or examined in a different way.	More emphasis on modern techniques and use of technology - e.g. taking into account radar CPAs rather than taking a series of bearings

Your Rationale for this outcome		SN/A	ms/a	Modernise and update the syllabus. So when cadets arrive on a vessel and you're explaining the steering system they already have a base knowledge and arren't looking for the steering wheel.	nv/a	BN/A	m/A	zn/a	#1N/A	m(A	mi/A	zov/A	276/A	Unlike other countries which have such syllab, UR does not have one. This results in each oilings of the countries which have such syllab to the countries of t	att/A	an/A	The been at sea for ten years and never once sused morae code, yet the hours spent learning or where could have spent it learning on a regar suicid larve been far more unaful. If it was to be leget in the spent to the spent of	Older warchkeeping of elements like taking ranges and bearings aren't often used at sea any more, the
Your Action for this outcome	BN/A	zn/A	IIN/A	Factor in time for collection of short videos / diagrams of other systems from both bridge and keel.	N/A	att/A	an/a	274/A	27N/A	2N/A	sh/A	204/A		teach this, and in what manner.  As described above – a common document from the UK MCA listing these minimum topics (currently MM 653 does not satisfy this requirement, and is too vague).	EN(A	an/A	Amend the examination on morsor take out completely	More emphasis on modern techniques and use of etchnology e.g. taking into account radar CPAs rather than taking a series of bearings
Sub-Group 1.2 Response	atų/A	zn/a	10N4/A	Thank you for your feedback, it has been noted.  We agree that different propulsion systems should be included. However, we will be included. However, the wording of outcome 3 allows and for modern and control of the should be a shoul	n/a	av/a	ate/A	201/A	214/A	ang/A	2014/A	20%/A.	sn/A	Thank you for your feedback, it has been noted.  As part of the medientiation process as are sentioned to create a cross guidence document to provide this function.	m/A	an/a	Thank you for your feedback, it has been noted.  Morac code is not included in the module but we will incorporate your feedback on the appropriate module.  Morac code remains an STLVM.  Morac code remains an STLVM.  Morac code remains and STLVM.  M	appreciation of the use of modern is techniques and technologies are every important. However, we are still required to teach the visual methods to provide

Role	Second Engineer	Chief Engineer Officer
Organisation	National Shipping Company	International Shipping Company
Module	Marine Engineer - Mechanical Principles	Marine Engineer - Mechanical Principles
Your Feedback -	#N/A	#N/A
Outcome 1		
Sub-Group 1.2	#N/A	#N/A
Response		
Your Feedback -	#N/A	#N/A
Outcome 2	,	,
Sub-Group 1.2	#N/A	#N/A
Response	#11/A	#N/A
Your Feedback -	These wood to be undetected velicet bout these	#N/A
	These need to be updates to reflect how these	#N/A
Outcome 3	properties change when the material in question is	
	exposed to the alternative fuels in use and being	
	proposed.	
Sub-Group 1.2	Many thanks for your feedback.	#N/A
Response		
	The systems encountered onboard will have been	
	type approved and, as such, the proccess for	
	assessing these characteristics will have already been	
	completed and is not necessary for operational	
	officers.	
Your Feedback -	#N/A	#N/A
Outcome 4	•	
Sub-Group 1.2	#N/A	#N/A
Response	············	····· <del>·</del> , ···
Above and	The current HELM course doesn't really cover the	#N/A
Beyond STCW	•	
beyond STCVV	important human element factors and certainly the	
	corrent sylibus does not cover the topics that can be	
	asked as part of the senior oral exams. Dealing with	
	items relating to mental health and frist aid, bullying,	
	harrassment and sexual harrassments are not taught	
	and officers are left to handle these without any	
	form or training and little guidance.	
	If we wish to create a safe working environment and	
	encourage more diversity in the indurty we must	
	make sure future leaders are given the tools to	
	support both them selves and others.	
	support both them serves and others.	
	Data Science needs to include how systems interact,	
	how changes in one part of the plant can effect other	
	areas of the plant.	
Sub-Group 1.2	Many thanks for your feedback.	#N/A
Response		
	We are in agreement that mental health, first aid,	
	prevention of bullying, harrassment and sexual	
	harrassment should be covered, these have been	
	included as suggestions in the Marine Law and	
	Management modules.	
	management modules.	
	Vous input on Data Caionas will be taken on board in	
	Your input on Data Science will be taken on board in	
Vour Brance d	the development of the module.	A roturn to the principal of conding Codetate - C
Your Proposed	#N/A	A return to the principal of sending Cadets to sea for
Outcome		a short sea phase after 8-10 weeks basic
		familiarisation in their training college before
		returning to college to begin their academic studies
		in earnest.
Your Rationale for	#N/A	Many Cadets are unsure how they will adjust to life
this outcome		at sea and have a picture in their minds which is
		based on anecdotal evidence rather than experience.
		College lecturers are often the primary source of this
		anecdotal evidence and their experience is often not
		representative of the world of seafaring today. Give
		the Cadets a chance to find out early-on, if a career
		at sea is suitable for them before investing too much
		_
		time and money in their training.
Vous Astion for	#h! / A	Condust a review of the structure of Codet too!
Your Action for	#N/A	Conduct a review of the structure of Cadet training
this outcome		with regard to college and sea phases.
Sub-Group 1.2	#N/A	Many thanks for your feedback.
Response		
		We believe that this has already been kept in mind
		through the design of the cadet phase structure with
		phase one being short, followed by a shorter first sea
		phase. The bulk of learning and seagoing service is
		included in Phases 3 and 4. This is not the
		appropriate forum to take this work forward.
		However, if you would like to discuss further, please
		email ctandm.enquiries@mcga.gov.uk
		Terrian etanom.enquires@mega.gov.uk
		İ

Role	Second Engineer	Engine cadet	Vice Principal Learner Expereince
Organisation	National Shipping Company	International Shipping Company	Nautical College
Module	Marine Engineering - Auxiliary	Marine Engineering - Auxiliary Systems	Marine Engineering - Auxiliary
Your Feedback - Outcome 1	Systems Thems should be more on the design of the systems and the calculations involved.	systems #N/A	Systems Learning can be enhanced through adopting more innovative methods of delivery such as mechanical dissection. The challenge with this unit is the scope and weighting which it is given relative to the more academic units. This could be addressed through integrated delivery methodologies and comprehensive curriculum mapping and learning experience design, which at teh moment the segregation of units does not seem to encourage.
Sub-Group 1.2	Many thanks for your feedback.	#N/A	Many thanks for your feedback.
Response	We appreciate your input but believe that the current level this is taught to is appropriate and this has been supported through the response to this survey.  Routes above and beyond the cadetship syllabus are being looked into as part of the Career Pathways working group, please let us know if you would like to be part of this work by replying to ctandm.enquiries@mcga.gov.uk		As part of this process we are strongly recommending the use of a diverse range of resources to ensure a fully contextualised learning experience. We are also highlighting links between modules to ensure topics covered across modules are taught effectively in the context of an onboard environment.
Your Feedback -	2.5 needs modernised. The sylibus	#N/A	Additional breakdown of learning will
Outcome 2	still covers hydraulic telemotors and hunting gear, which modern ships do not use.  2.7 While paralleling theory has not changed equipment in use has and manually paralleling can be a problem becuase of equipment layout. Especially on high voltage systems.		be required to ensure consisteny between centres as the learnign outcomes are vauge and open to interpretation.
Sub-Group 1.2	Many thanks for your feedback.	#N/A	Many thanks for your feedback.
Response	We appreciate your input but believe that the current level this is taught to is appropriate and this has been supported through the response to this survey.  Routes above and beyond the cadetship syllabus are being looked into as part of the Career Pathways working group, please let us know if you would like to be part of this work by replying to ctandm.enquiries@mcga.gov.uk		As part of this process we are strongly recommending the use of a diverse range of resources to ensure a fully contextualised learning experience. We are also highlighting links between modules to ensure topics covered across modules are taught effectively in the context of an onboard environment.
Vaur Drangeed	шы / А	Mare those, boind discal electric	451/A
Your Proposed Outcome  Your Rationale for	#N/A	More theory beind diesel electric ships and the different equipment that is associated with them. With a bit more focus on the propultion of a diesels electric ships.  And more theory behind how the dp system works and it associated systems I feel like these areas are over looked	#N/A
this outcome	***YO	abit when in the classroom and when cadets who are on ships in offshore or ships that are diesel electric with a dp systems, they go to see and there are systems that were not covered by the syllabus.  I.e split switch boards (electrical distribution) and the hi-pap systems.	
	#N/A	Introduce these into the syllabus	#N/A
this outcome Sub-Group 1.2 Response	#N/A	Many thanks for your feedback.  We do agree that the topics of diesel electric vessels and DP systems need to be covered. However, these are both covered in the propulsion module and, as such, we do not think they should be covered again in this module.	#N/A

Role	Deck Cadet	Assistan Professor	Cadet Manager	Vice President	Master	Maritime Standards Manager	Director	Director, Marine HR	Lecturer	Lecturer	Second Officer	Cdeck Cadet	Cadet	Navigating Officer
Organisation	Unknown	University	Maritime Charity	International Shipping	International Shipping	Government Regulatory Body		International Shipping	Nautical College	Nautical College	International Shipping	International Shipping	International Shipping	International Shipping
Module	Deck - Marine Meteorology a	n Deck - Marine Meteorology an	Deck - Marine Meteorology an	Company  Deck - Marine Meteorology ar	Company  Deck - Marine Meteorology an	Deck - Marine Meteorology an	Deck - Marine Meteorology an	Company  Deck - Marine Meteorology ar	n Deck - Marine Meteorology ar	Deck - Marine Meteorology ar	Company  Deck - Marine Meteorology an	Deck - Marine Meteorology a	Company  Deck - Marine Meteorology ar	Company  Deck - Marine Meteorology an
Your Feedback - Outcome 1	Introduction  #N/A	meteorological instrument	include safe use and care of met instruments. (eg:no books on top of the barograph)	Introduction #N/A	Introduction  #N/A	Agree that no significant change into how this subject is taught at Cadet level is required but that practical experience in the use of meteorological instruments is desirable	Introduction	Introduction	Agree - cadets should be given tasks that require them to use wet / dry bulb thermometer, find out humidity using it, and take readings using barometer. A marine anemometer should be made a requirement in each nautical college, and its practical use should be made part of the curriculum.	Introduction	Add lots of more modern sources of weather routeing and weather services, Le weather routeing companies and what they look at, how different vessels may behave in different conditions and ordinary services such as windfinder, windy.com, etc. Which supplies the weather overlay for my passage planning software I currently use	Introduction	books at sea contain a 'cheat' sheet' that gives the speeds o each wind force, so we don't need to know them off by heart.	Introduction  Instrument analysis and recognising trends as well as just use of. WMO is of little to no significance to the mariner, suggest usage of met services including their strengths and weaknesses woord-wide (such as Met Office and National Hurricane Centre). In a progressively digital age of met and just reading data, the practical application of observations (such as buoys ballot's law) is more important than ever.
Sub-Group 1.2 Response	#N/A	Many thanks for your feedback, agreed and noted. This is included in the cadet training before going to sea in phase 1 of their training.	Many thanks for your feedback, agreed and noted.	#N/A	#N/A	Many thanks for your feedback, agreed and noted.	#N/A	#N/A	Many thanks for your feedback, agreed and noted.	#N/A	Many thanks for your feedback, it has been noted. The introduction to weather routing services is included in sub outcome 1.4 and covered in more detail in the management level Passage Planning and Applied Marine Meteorology modules	#N/A	Many thanks for your feedback it has been noted. However we feel this is still relevant and needs to be taught but agree not in too much detail.	Many thanks for your feedback it has been noted. However we feel it is still relevant to cover. WMO is only an introduction at this level. The practical application of observations are covered in more detail in the Management level Passage Planning and Applied Marine Meterology modules
Your Feedback - Outcome 2	#N/A	I am giving the courses of Meteo&Oceang. I and II. Students need to understand how to surface winds and precipatation types generate. these outcomes should be modernise, other than classical methods should be shymn by Iccturers. (like animation)	#N/A	#N/A	#N/A	support the proposed contextualisation with respect to troposphere and horizontal visibility.	#N/A	#N/A	In addition to the above, there is a need to correlate what is being taught with the weather fax and on board weather experienced at an early stage. The current focus appears to be more theoretical and less marine practical. Doing the above can help achieve this 'real world connect'.	#N/A	I keep repeating weather routeing but I think there must be a bigger focus on how the weather affects passage planning and what for example 5m beam seas mean to the vessel and what actions can be taken to avoid this. What an area of low pressure may mean to the vessel Etc etc	#N/A	I think things like the troposphere involve going into too much detail - we don't need to know all of this, just how to predict bad weather and what to do abou it	received and now to respond
Sub-Group 1.2 Response	#N/A	Many thanks for your feedback, it has been noted. A modern approach to teaching this is already being followed by colleges within the UK	#N/A	#N/A	#N/A	Many thanks for your feedback, it has been noted.	#N/A	#N/A	Many thanks for your feedback, it has been noted and has been included as part of the modernistion	#N/A	Many thanks for your feedback, it has been noted. This has been covered in more detail in management level. Context as well as linked modules are part of the finalised templates	#N/A	Many thanks for you feedback, it has been noted.	Many thanks for you feedback, it has been noted.
Your Feedback - Outcome 3	#N/A	#N/A	#N/A	#N/A	#N/A	area is currently taught at Cadet level is satisfactory and	Outcome 3: I'm not sure if this is the right place to put this, but somewhere the unreliability of historical weather data must be stressed. Twenty years ago I worked for a period in the Gulf of Mexico and calculated that in the previous 11 years, the area had suffered two '50 year storms' (calculated to occur only one in a 50 year storms' (calculated to occur only one in a 50 year storms' nhe maths simply do not work. Weather is changing globally - and historical weather data simply cannot be relied on. We used to use historical weather data charts when passage planning years ago - I know weather forecasts have improved diramatically since then but I believe this point should be emphasised to our future deck officers.	#N/A	Practical exericises related to weather faxes (surface analysis charts) should be given more importance and time.	#N/A	More focus on interpretation of the weather. Yes we all know what a cumulonimbus is, what does that mean to us.	#N/A	I've never seen a synoptic chart used at sea, only electronic forecasts etc. We don't need all of this detail	Agree
Sub-Group 1.2 Response	#N/A	#N/A	#N/A	#N/A	#N/A	Many thanks for your feedback, it has been noted.	Many thanks for your feedback, it has been noted and the group is in agreement that the changing weather trends need to be included but feel this should be covered at management level and will be included in the Applied Meteorology module	#N/A	Many thanks for your feedback, it has been noted.	#N/A	Many thanks for your feedback, it has been noted.	#N/A	Many thanks for your feedback, it has been noted.	Many thanks for your feedback, it has been noted.
Your Feedback - Outcome 4	#N/A	#N/A	Agree focus on circulation of the specific currents, but ALSO they should know the name of the main currents that circulate in the Ocean waters.	4.1 - Fundamentals need to be maintained without further simplification and watering down 4.3 - Maintain naming to support contextualization and awareness	positive, as well as an adverse current, can impact the vessel with regards to speed, potential drift, fuel consumption, ETA, etc.	little wrong in the way it is currently being taught. I agree that the contextualisation with respect to weather routing is necessary.	annears Meteorology has	Agree the focus of currents should be on circulatory patterns however, we should not be restricting the names of currents for our future officers. Current ames are covered in secondary school geography (certainly in my daughters case.) A major part of a navigating officer is to know the sea and the terms that goes with it. A Master may ask the second mate to take advantage of a particular current and he/she would not expect to have to explain where that is.	and Inmarsat C weather messages in these sea areas, and cna change the ship's speed by 2-4 knots.		Focus on weather routeing with favourable currents	#N/A	#N/A	All to be at a very basic level and focus on where the information can be sourced from onboard (Routing Charts, Mariners Handbook etc.)

Sub-Group 1.2 Response	#N/A	#N/A	Many thanks for your feedback, it has been noted and agreed.	Many thanks for your feedback, it has been noted and agreed.	Many thanks for your feedback, it has been noted and is covered in the "Applied Marine Meteorology" module, outcome 4.1.	feedback, it has been noted	Many thanks for your feedback, it has been noted.	Many thanks for your feedback, it has been suggested that emphasis sudd be on circulation. Naming of the currents will continue to be taught.	Many thanks for your feedback and agreement on 4.1 & 4.2. It has been suggested that emphasis should be on circulation. Naming of the currents will continue to be taught.	Many thanks for your feedback, it has been noted.	Many thanks for your feedback, it has been noted.	#N/A	#N/A	Many thanks for your feedback, it has been noted.
Your Feedback Outcomes Abc and Beyond	A cadet should be able to understand why certain weather phenomenons happen but, a full modernisation of the subject should be considered since we some of the outcomes are dated and not really relied upon in the real world. Maybe splitting the subject into a introduction for Phase : cadets then a more in depth look into met in phase 3	Satellite REmote sensing of weather elements better to be included.	#N/A	#N/A		I do not agree that there needs to be a specific topic of 'Data Science Skills'. I would oppose such skills being an examinable topic or assessed as part of a cadets qualifications unless and until IMO amend STCW accordingly.	#N/A	#N/A	Learning outcomes need to be clearly specified, and circulated among lecturers and students in a booklet form (example- through a MIN of MGN shippign notice). This will help both, cadest / students and their teachers / lecturers.	#N/A	#N/A	Data science skills- please introduce a Microsoft Excel specific outcome. Excel is used by all members of the deck department and many of my cadet peers have never used the software.	#N/A	Human Element to have a Command, Leadership, Management, Coaching and Mentoring spin on it at all times in a Bridge environment.
Sub-Group 1.2 Response	Many thanks for your feedback, we are in agreement and it has been noted.	Many thanks for your feedback, we believe this has been included already within this module and the "Applied Marine Meteorology" module as the seafarer would receive sate little weather reports from routeing services or meteorlogical organisations.	#N/A	#N/A	#N/A	Thank you for your feedback, it has been noted.  This is a topic which we are looking to introduce above an beyond the requirements of STCW, in order to future proof the skills of seafarers. It will be included as a UK recommendation as part of the IMO's comprehensive review of STCW.	an/A	#N/A	Thank you for your feedback, our intention is use the work from this consultation to create a new guidance document for colleges to deliver the modules.	#N/A	#N/A	Thank you for feedback, it has been noted.  This learning outcome is proposing a general topic to be covered as opposed to the specific detail within that topic. However, the use of data analytics tools is expected to be covered.	#N/A	Thank you for your feedback, it has been noted.  We have attempted to ensure HELM is included, in context, throughout the syllabus.
Your Proposec Outcome	#N/A	I am working as an Oceangoing Captain and Assis Prof. at MAritime College and already giving these modules. I would like to advice to integrate modern technologies to monitor and to understand forecasting of wather by remote sensing satellite weather.	#N/A	Modernize the teaching delivery / approach methodology, but maintain the content as meteorology is a significant operational factor.	4.3 Ocean Currents.  Important that the potential Officer gains an understanding of how a positive, as well as an adverse current, can impact the vessel with regards to speed, potential drift, fuel consumption, ETA, etc. Appreciate how the currents can be used to the advantage of the Master/Owner, just as avoiding a counter current can be disadvantageous.	#N/A	#N/A	#N/A	Please keep all of us, who have participated in this public consultation informed of its results, and of the actions that the MCA finally takes.	#N/A	#N/A	#N/A	#N/A	#N/A
Your Rationale	#N/A	I would like to be a part of this modernising evalution.	#N/A	Previous was too didactic.	Fuel efficiency/reduction and its environmental benefits, as well as the obvious commercial advantages.	#N/A	#N/A	#N/A	It will help us better implement the UK MCA's final advice and we can then inform our colleagues of it as well.	#N/A	#N/A	#N/A	#N/A	#N/A
Your Action fo this outcome	. #N/A	Update cadets' skill by improving not only as Meteo&Oceang., also ti create awaraness for Sustainabilty and Climate Change.	#N/A	As above	I have been "current routed" as well as "weather routed" often to great effect, but if this service is not an option then a thorough working knowledge of the known - and changing - ocean currents is essential. If I recall, the subject was hardly covered in Met, even up to Masters level, with all knowledge gained onboard through older Mates or Old Men, plus years of reading the Mariners Handbook. Possibly an opportunity to introduce a dedicated ocean current section to the Cadet learnings to sit alongside Met teachings.		#N/A	#N/A	A MIN or MGN notice from the MCA, once the consultation is completed. A simple email to all participants / contributors to this consultation, with a link describing the results of the consultation.	#N/A	#N/A	#N/A	#N/A	#N/A
Sub-Group 1.2. Response	#N/A	Many thanks for your suggestion.  While we appreciate your kind offer, as part of the modernisation of this module we are looking to help seafarers understand the practical aspects of marine meteorology and how it can be used at sea. This is certainly a fascinating topic, however, we believe it is too specialist to be included in the Cadet Syllabus.  However, we will certainly contact you for specialist input as and when required.	#N/A	Many thanks for your response.  As part of our review we have put in all efforts to remove a didactic approach and ensure content is focused on practical application.	Many thanks for your feedback, it has been noted and is covered in the "Applied Marine Meteorology" module, outcome 4.1.	#N/A	#N/A	#N/A	Many thanks for your feedback, all feedback from this consultation will be responded to via email and or gov.uk.  Updated syllabus guidance documents will also be published and shared with Nautical Colleges, highlighting the changes made.	#N/A	#N/A	#N/A	#N/A	#N/A

Role	Vice President	Maritime Standards Manager	Master Mariner	Second Officer	Deck Cadet	Cadet	Navigating Officer
Organisation	International Shipping Company	Government Regulatory Body	International Shipping Company	International Shipping Company	International Shipping Company	International Shipping Company	International Shipping Company
Module	Deck - Applied Marine Meteorology	Deck - Applied Marine Meteorology	Deck - Applied Marine Meteorology	Deck - Applied Marine Meteorology	Deck - Applied Marine Meteorology	Deck - Applied Marine Meteorology	Deck - Applied Marine Meteorology
Your Feedback - Outcome 1	#N/A	Proposed contextualisation makes sense	#N/A	There should be a bigger focus on meteorology and actual modern bridge navigation for the entire syllabus.	#N/A	l've never seen a synoptic chart used at sea, it's outdated, remove from the syllabus	Disagree wholeheartedly, all focuses should be on the interpretation of weather forecasts and appropriate action to be taken as a result. This is too in depth considering the exceptionally advanced whether routing received these days.
Sub-Group 1.2 Response	#N/A	Thank you for feedback, it has been noted.	#N/A	Thank you for feedback, it has been noted.	#N/A	Thank you for your feedback, it has been noted. However, it has been indicated through industry feedback that this remains a relevant topic.  The focus of this learning outcome is to allow seafarers to interpret weather forecasts and conduct safe navigation.	Thank you for your feedback, it has been noted. However, it has been indicated through industry feedback that this remains a relevant topic.  The availability of advanced weather routeing systems does not remove the requirements for seafarers to compare observed weather to the information received from synoptic charts and weather routeing systems.
Your Feedback - Outcome 2	#N/A	Agree that no change is required to the way this subject is currently taught	#N/A	#N/A	#N/A	#N/A	All of this information is contained in the Mariners Handbook, Routing Charts and weather routing services; this is far too in depth.
Sub-Group 1.2 Response	#N/A	Thank you for feedback, it has been noted.	#N/A	#N/A	#N/A	#N/A	Thank you for your feedback, it has been noted. However, it has been indicated through industry feedback that this remains a relevant topic.  The availability of the Mariners Handbook, Routing Charts and weather routing services does not remove the requirements for seafarers to analyse the features of the major global climate zones.
Your Feedback - Outcome 3	#N/A	Agree that no change to the way that this topic is currently taught is required	#N/A	#N/A	#N/A	#N/A	TOO MUCH DETAIL; all focus to be on interpreting weather forecasts and application of the information they contain.
Sub-Group 1.2 Response	#N/A	Thank you for feedback, it has been noted.	#N/A	#N/A	#N/A	#N/A	Thank you for your feedback, it has been noted. However, it has been indicated through industry feedback that this remains a relevant topic.
Your Feedback - Outcome 4	#N/A	the contextualisation and case studies on ocean weather outing and weather and the effect of sea conditions on passage are considered desirable	#N/A	More simulator time required in different weather conditions and how this affects navigation as well as work on deck, sea stowing etc.	#N/A	#N/A	Agree
Sub-Group 1.2 Response	#N/A	Thank you for feedback, it has been noted.	#N/A	Thank you for feedback, it has been included in the module.	#N/A	#N/A	Thank you for feedback, it has been noted.
Your Feedback - Outcomes Above and Beyond	#N/A	Do not agree that this is an area where there needs to be an increased focus on electronic resources and am opposed to the introduction 'data Science Skills' as a specific and examinable topic or part of formal Cadet assessment unless and until such changes are adopted by IMO in STCW.	#N/A	#N/A	Data Science Skills- please introduce a Microsoft Excel specific outcome. Excel is used by all members of the deck department on board, and many of my cadet peers have never used the software.	#N/A	Human Element to have a Command, Leadership, Management, Coaching and Mentoring spin on it at all times in a Bridge environment.
Sub-Group 1.2 Response	#N/A	Thank you for feedback, it has been noted.  This is a topic which we are looking to introduce above an beyond the requirements of STCW, in order to future proof the skills of seafarers. It will be included as a UK recommendation as part of the IMO's comprehensive review of STCW.	#N/A	#N/A	Thank you for feedback, it has been noted.  This learning outcome is proposing a general topic to be covered as opposed to the specific detail within that topic. However, the use of data analytics tools is expected to be covered.	#N/A	Thank you for feedback, agreed and noted.
Your Proposed	Include weather in Port in addition to on passage. Include sources on local weather anomalies in- monitoring, mooring, actions etc	#N/A	Ensure that Cadets fully understand that regardless of the electronic advances made in the industry, the seaman's day is still governed by the weather conditions.	#N/A	#N/A	#N/A	Thanks for publishing these surveys, we appreciate being asked our opinion; the questions are not very well laid out though and difficult to analyse.
Your Rationale for this outcome	Important operational needs	#N/A	Ensuring that the understanding, interpreting, and decision making process based on weather information - both present and future - remains one of the core values and skills of any ships Deck Officer whilst they have have the watch.	#N/A	#N/A	#N/A	#N/A
Your Action for this outcome	Include into syllabus	#N/A	To keep looking out the window! Plus the fundamental need to go and "feel" the weather. I have been fortunate to have only had to endure an enclosed bridge only once in my career, whoever thought this design was a good idea was no former ships Officer or Master. Only by taking regular steps outside the bridge into the real environment, can the Officer truly get an accurate impression of the weather conditions that their vessel is sailing in, and into.	#N/A	#N/A	#N/A	#N/A
Sub-Group 1.2 Response	Thank you for feedback, agreed and noted.  This is already covered through the detail within multiple modules of the syllabus and the Training Record Book.	#N/A	Thank you for feedback, we will ensure that understanding, interpreting, and decision making process based on weather information remains an important part of the syllabus.	#N/A	#N/A	#N/A	Thank you for feedback, it is much appreciated.