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Exercise Rim of the Pacific

Capable, Adaptive, Partners







Exercise History <u>"World's Premier Maritime Exercise"</u>

Year	# of Nations	Logo	Year	# of Nations	Logo
1998:	6	RIMBACC 88	2010:	14	
2000:	7		2012:	22	RIMPAC 2012
2002:	8	RIMPAC 2002 Haurai	2014:	22	RIMPAC CO
2004:	7		2016:	26	
2006:	8		2018:	25	CAPABLE RIMPAC 2018 Brance 2018
2008:	10				

Nations strong desire to participate "Inclusivity at it's core"



RIMPAC 2018 Overview

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<complex-block></complex-block>	RIMPAC Vision "To promote regional stability in the Pacific, RIMPAC is the premier joint and combined maritime exercise, leveraging world class training facilities.""With inclusivity at its core, RIMPAC fosters multi-national cooperation and trust, enhances interoperability, enables professional engagement, and achieves respective national objectives to build capable and adaptive partners"RIMPAC Senior Leadership Seminar November 2016
 Exercise Data Exercise dates: 27 June - 2 August 2018 	Exercise Overview Theme "Capable, Adaptive, Partners"
 25 nations 46 ships 5 submarines 17 national land forces 200+ aircraft 	 Objective: "To enhance the interoperability of the combined RIMPAC force across the full spectrum of military operations in the maritime environment" 26th RIMPAC Exercise. First RIMPAC in 1971 as a trilateral exercise between Australia, Canada and US
 25,000+ personnel 2 geographical locations: Hawaii, Southern California 	COMTHIRDFLT is the COMPACFLT designated Executive Agent, Officer Conducting the Exercise & Exercise and Commander Combined Task Force Commander (CCTF)

	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun	
	• 24 Jun	25 Jun	26 Jun	27 Jun	28 Jun	29 Jun	30 Jun	01 Jul	02 Jul Harbor	03 Jul Phase	04 Jul	05 Jul	06 Jul	07 Jul	08 Jul	
	FC	ORCES ARRIV	/E					N		Competition	ı					
=					Opening	Exercise		nent & TF	Exercis	e Briefs		E	xercise Brie	fs	COC/MOC/	
					Briefs	Briefs		ander's kend	Compone	ent RSO&I	No	Component Academics			CAOC Stood up	
						Innova	tion Fair		HADR	HA/DR Aca.	Scheduled Events -	HA/DR Ad	cademics HA/DR		Pre Ex	
						HC Summit			Symposium		4th July		Chap Symp			
۷۶						r Enlisted Pr	ogram		Medica	al SMEE		Medical S		Day		
HAWAII		PWC/AOC EX	(CON SETUP		PWC/AC	OC Open			PWC/AC	DC Open		,	nposium		ue Symp	
H,						FIT	- LAND FOR	CES				FIT - LAN	D FORCES	Emba		
											Luncheon:		Luncheon:			
											CNRH		Peru			
							*	*								
				Reception:			Reception:	Reception:		Reception:	4th July	Reception:	Reception:	Reception:	Reception:	
				CPF (CVN)	Japan	Australia	Chile	Canada	ROK	France	(MRW)	India	NZ	Malaysia	Indonesia	
	Mon 09 Jul	Tue 10 Jul	Wed 11 Jul	Thu 12 Jul	Fri 13 Jul	Sat 14 Jul	Sun 15 Jul	Mon 16 Jul	Tue 17 Jul	Wed 18 Jul	Thu 19 Jul	Fri 20 Jul	Sat 21 Jul	Sun 22 Jul	Mon 23 Jul	Tue 24 Jul
								Force Integr								
						-	Serialis	ed Training a	and Live Fire	e Events						
	JIIF J JAIL		SINKEX 1 AIR/SUB/		CVW MIN	NFS RODEO		CPF O	BSERVER PRO				Advanced	-		
_			LAND						HADR	SINKEX 2 AIR/SUB/				CTF 176		
A				H	<mark>A/DR Exercis</mark>	se I			1	Hotwash	SHIP	FLY DAY	CTF 170	WASEX	CTF 170	
HAWAII	CVW NO FLY DAY	CVW CQ DAY	CVW CQ DAY													CVN ORSE (NO FLY)
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					1				DV/VIP Vi	sit Period			1	1		
								Reserve su	pport RSO&							
								CFMCC Acad. For RC								
	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun	Mon	Tue		
	25 Jul	26 Jul	27 Jul	28 Jul	29 Jul	30 Jul	31 Jul	01 Aug	02 Aug	03 Aug	04 Aug	05 Aug	06 Aug	07 Aug		
_		PHOTEX			Freeplay Phase			RAS / Return to Port Closing Briefs				Dispersal				
HAWAII	Op Pause							SLG Hotwash								
		CVW NO FLY DAY	F	REEPLAY (R	AID/ASSAUL	Т)	ATF DISE	MBARK PH								
									Reception:							4



Complexity

RIMPAC - Design

Advanced FIT & Freeplay (Tactical)

- Task Force integration and training at theatre level
- Photo Exercise

20 – 26 July

- Amphibious assault
- Apply C2 processes
- Freeplay phase over 96 hours

Force Integration Training

- Basic air, surface, subsurface warfare at the task group level
- More advanced warfighting with SINKEXs, air-to-air engagements
- Amphibious rehearsal
 - Humanitarian Assistance / Disaster Relief
- Practice C2 processes

- Harbor Phase
- Relationship building
 - Can't surge trust
- Reinforce protocols
 - Safety, environment, warfighting
- Confirm connectivity and weapons systems
- National command and control
- Final review of overall plan prior to execution
- Understanding C2 processes

27 June – 8 July

9 – 20 July

UNCLASSIFIED



27 – 30 July

Scenario Development and



Focus and Lines of Effort

Exercise Focus Areas

- Safety of personnel and platforms
- Environmental stewardship
- Inclusion of all participating nations and the integration and achievement of their respective national training objectives
- Professional exchanges and social interaction at all levels to strengthen international relations
- Facilitation of a maritime focused multi-threat exercise to enable command, control, employment and coordination of sea, air and land assets within a Combined Joint Force
- Humanitarian Assistance / Disaster Relief including interagency support/integration
- Integration of certification and experimentation activities into the exercise where appropriate

Commander's Lines of Effort

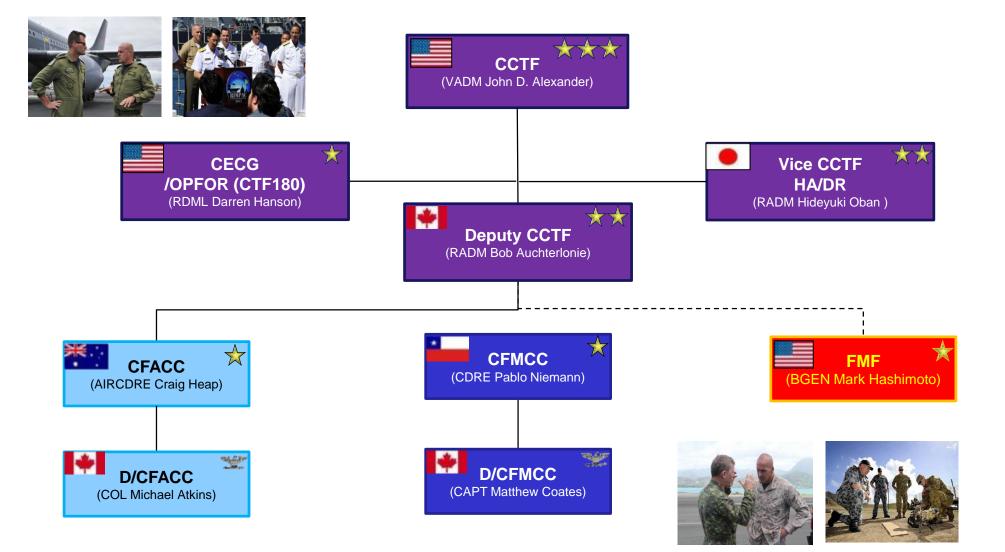
- 1. A coordinated and integrated plan
- 2. Relentless execution of operations
- 3. Aggressive risk management





RIMPAC 2018 Senior Leadership Group

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RIMPAC 2018 Nations

	<u> </u>		X			X		<u>heie</u>	<u> </u>	1	the second secon		
1. Australia	4	1	Х	1		X	13. Mexico (SOCAL)	1		X			X
2. Brunei		-	St	aff	-	-	14. Netherlands (SOCAL)			8			
3. Canada (HI/SOCAL)	3/2		X	1		X	15. New Zealand	1		Х	2		Х
4. Chile	1		Х			X	16. Peru	1		X			
5. Colombia		Staff			17. Philippines	2		Х			X		
6. France	1					X	18. Republic of Korea	2	1	X	1		X
7. Germany			St	aff			19. Singapore	1					X
8. India	1		Х	1		X	20. Sri Lanka	St	aff	X			
9. Indonesia	2	2 X X			21. Thailand	Staff							
10. Israel			St	aff			22. Tonga			X			
11. Japan	1		X	2		X	23. UK (SOCAL)			8			
12. Malaysia	1		Х			X	24. US (HI/SOCAL)	20/2	3	X	13	Х	X
						25. Vietnam	Staff				-		

46 Ships (HI – 41, SOCAL – 5), 5 Submarines, 17 National Land Forces, 22 MPRA, ~200 Aircraft, 25,000+ personnel

Observer Nation – Ecuador



2018 Repeat RIMPAC Participants

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Brunei – 3rd

Australia – 26th



Canada – 26th



- Chile 12th
- Colombia 5th

France – 5th



India – 4th









Malaysia - 5th

Japan – 20th

Indonesia – 5th



Mexico – 4th

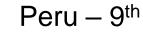


Netherlands-6th



New Zealand-13th



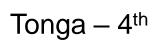




Philippines – 4th



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RIMPAC 2018 Participation

Participating Nations

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Australia

- HMAS MELBOURNE (FFG)
- HMAS TOOWOOMBA (FFH)
- HMAS ADELAIDE (LHD)
- HMAS SUCCESS (AOR)
- HMAS RANKIN (SSG)
- 1x RAAF P-8A
- 1x CO Army Ground Force
- 1x AUSMCMSQN (MCMC)
- 1x AUSCDT Dive Team Four
- 1x EOD Team
- Brunei
 - Staff

• Canada

- HMCS OTTAWA (FFH)
- HMCS VANCOUVER (FFH)
- HMCS WHITEHORSE (MCM)-SOCAL
- HMCS YELLOWKNIFE (MCM)-SOCAL
- M/V ASTERISK
- 1x CP-140
- 1x CO+ Ground Force
- 1x Fleet Diving Unit Pacific
- 1x EOD Team
- Colombia
 - Staff

• Chile

- CNS ALMIRANTE LYNCH (FF)
- Staff
- 1x PLT Marines

- France
 - FS PRAIRIAL(FF)
- Germany
 - Staff
- India
 - INS SAHYADRI (FFG)
 - 1x P-8l
 - 1x SOF Team
- Indonesia
 - KRI MARTADINATA (FF)
 - KRI MAKASSAR (LPD)
 - 1x CO Ground Forces
 - 1x SOF Team
 - Staff
- Israel
 - Staff
- Japan
 - JS ISE (DDH)
 - 2x P3C
 - 1x CO Ground Forces
 - 1x EOD Team
 - 1x SOF Team
 - Staff



RIMPAC 2018 Participation

Participating Nations

Mexico (SOCAL)

- ARM USAMACINTA (LST)
- 1x CO+ Ground Forces
- Staff
- Malaysia
 - KD LEKIU (FFG)
 - 1x PLT Ground Forces
 - Staff

Netherlands (SOCAL)

- 1x Dive Team
- 1x UUV Plt

New Zealand

- HMNZS TEMANA (FF)
- 2x P-3K2
- 1x Det Ground Forces
- 1x Survey Team
- 1x Littoral Team HMNZS MATATAUA (UCMC)
- Peru
 - BAP FERRE (Corvette)
 - 1x SOF Team
 - Staff
- Republic of Philippines
 - BRP RAMON ALCARAZ (FF)
 - BRP DAVAO DEL SUR (LD)
 - 1x PLT Ground Forces /Staff
 - 1x SOF Team

Republic of Korea

- ROKS DAE JO YEONG (DDH)
- ROKS YULGOK YII (DDG)
- ROKS PARKWI (SSK)
- 1x P3
- 1x SOF Team
- 1x EOD Team
- 1x PLT Ground Forces
- Staff
- Singapore
 - RSS TENACIOUS (FF)
 - Staff
- Sir Lanka
 - 1x PLT Ground Forces
 - Staff
- Thailand
 - Staff
- Tonga
 - 1x PLT Ground Forces
- United Kingdom (SOCAL)
 - 1x Dive Team Unit Two
- Vietnam
 - Staff



RIMPAC 2018 U.S. Ship Participation

United States

• U.S. Navy

- USS CARL VINSON(CVN)
- USS LAKE CHAMPLAIN (CG)
- USS LAKE ERIE(CG)
- USS DEWEY (DDG)
- USS MOMSEN (DDG)
- USS OKANE (DDG)
- USS PREBLE (DDG)
- USS STERRET (DDG)
- USS WILLIAM P. LAWRENCE (DDG)
- USS HAWAII (SSN)
- USS ILLINOIS (SSN)
- USS OLYMPIA (SSN)
- USNS CARL BRASHEAR (T-AKE)
- USNS CHARLES DREW (T-AOE)
- USNS HENRY J. KAISER (T-AO)
- USNS MERCY (T-AH)
- USNS RAPPAHANNOCK (T-AOE)
- USNS SIOUX (T-ATF)

• U.S.C.G.

USCGC BERTHOLF (WMSL)

Contract Vessel

HOS MYSTIQUE

Southern California

- USS HARPERS FERRY (LSD)
- USS ARDENT (MCM)





RIMPAC 2018 U.S. Air Participation

• U.S. Navy • U.S. Navy VFA - 2

VFA – 137

VFA – 192

VFA – 34

VAQ - 136

VAW – 113

VRC - 30

HSM – 78

HSC – 8 HSC - 4HSC - 21 HSC – 14 VUP – 19 HSC - 23

• U.S. Air Force

VP-16 / 2xP8 VP-26 / 1xP8 VP-46 / 3xP3 VP-47 / 4xP8 VP-62 / 1xP3 VP-69 / 1xP3 VX-30 / 1xP3

HIANG/199FS/8xF22 USAFR/909ARS/2xKC135 USAFR/465ARS/5xKC135R USAFR/AATC/3xA10 USAF/85TES/6xF15C USAF/337TES/1xB1B 25 ASOS/29 CBCS (TACP) 613TH AOC

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• U.S. Marine Corps

MAG-24/VMU-3 **VMFA-533** HMH-463 **3RDMARREG**

• U.S. Army

25 CAB 4-6 CAV





RIMPAC 2018 Observer Program

Observer Nations

- Participating Nation:
 - Ecuador
- Observer nations invited via formal COMPACFLT Letter of Invitation
- Two Officers (04-05) per nation
- Cost borne by observer nation



Observer Program

- Dates: 16 20 July 2018
- First established during RIMPAC 2002

• Observer nations are invited and afforded a condensed overview of RIMPAC exercise activities during a week-long schedule of events, with the anticipation of future participation in RIMPAC.

• The Observer Program includes welcoming and overview briefings, an at-sea embarkation on an aircraft carrier and/or amphibious ship, helicopter or Carrier-on-Board Delivery (COD) flights, P3C indoctrination tour flight, as well as ashore activities.









RIMPAC 2018 Overarching Scenario

Themes

Economic disparity

 Orion discovered oil reserves and seeks Griffon's refinement capability via military action

Freedom of Navigation

- Orion harasses and eventually sinks merchant shipping in the Strait of Orion
- Aggression against Griffon and RIMPAC nation

Counter piracy

 Purely criminal organization operating off the coast of Pandora and Yolo

Counterterrorism

- IED events in Griffon from ARM

RIMPAC Players

• Griffon (ally)

Strongest economy in the region but limited military and defense capability

Orion (belligerent)

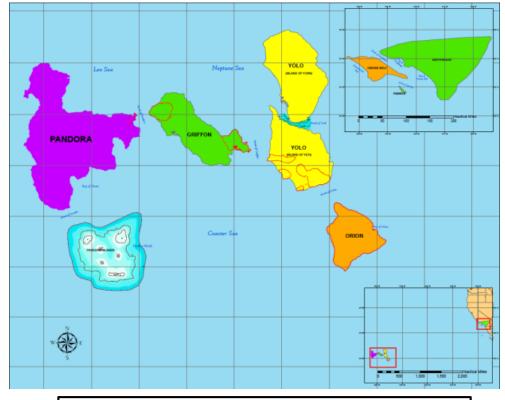
- Expansionist regime and the military "strong arm" in region

Pandora and Yolo (neutral)

Provide physical separation in JOA to address JPN real-world constitutional restrictions

Disputant Resistance Armed Combatant Opposition (DRACO)

 Terrorist organization operating in Griffon and NW region of Yolo



Coaster Islands and Constellation Providences Joint Operations Area (JOA)



Humanitarian Assistance / Disaster Relief

Concept

- Earthquake and tsunami scenario
 - Massive casualties, aftershocks, extensive infrastructure damage
- Japan-led HA / DR Task Force with Coalition Staff
- Live response emphasizing interactions with Host Nation, International Relief Community
- Collaborative HA / DR Harbor Phase Academics with Center for Excellence in Disaster Management, UN OCHA, US AID, IFRC, Navy War College

Objectives

- Employ multinational force in a HA / DR scenario
- Plan and direct sustainment forces ashore in an HA / DR environment, both from the sea base and ashore.
- Emphasize realistic civil-military (CIV-MIL) interactions
- Cross-training and sharing of medical capabilities between military and civilian responders ashore and afloat
- The Joint Commission Accreditation of Healthcare
 Association of Hawaii (HAH) hospitals
- Annual Health and Human Service (HHS) Disaster Medical Assistance Team (DMAT) training requirements are met







Humanitarian Assistance Disaster Relief

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RIMPAC SINKEX Summary – 12 Jul 2018

Target: ex USS RACINE (LST 1191)

Range Time Scheduled	Unit	Weapon	Results
0800-0930	337 TES (B-1)	1x Long-Range Anti-Ship Missile (LRASM) (Telemetry)	Not conducted Event cancelled (failure to establish telemetry comms)
0930-1030	USS OLYMPIA	1x UGM-84 (Harpoon)	Success – impact above water line 7-minute time of fligh; no way points.
1030-1100	US Army	1x Norwegian Strike Missile (NSM)	Success – impact observed amidships 8-minute time of flight
1100-1200	USA AH-64	Rockets / Guns	Success 48x 2.75 inch rockets and 400x 30mm rounds
1200-1245	US Army / JGSDF	2x Surface-to-Surface Missile (SSM) 5x Rocket Propelled Round (RPR) (HIMARS)	 Unknown – no BDA due to cloud cover over target 1 or 2 JGSDF SSMs launch delayed 16 mins due to suspected incorrect switch settings 5x HIMAR rounds followed SSM engagements
1245-1330	CVW-2	4x Joint Stand-off Weapon (JSOW)	Success – visual confirmation of 3x impacts Cloud deck precluded visual confirmation of 4th impact
1330-1415	VP-16 / VP-47	2x AGM-84 (Harpoon)	Success – impact confirmed 1x Harpoon launched from each aircraft
1415-1515	US Army / JGSDF	2x Surface-to-Surface Missile (SSM)	Success Radar imagery showed 2x SSM tracks merge with target
1515-1615	AUS P-8	1x ATM-84 (Harpoon – telemetry)	Success – impact confirmed with loss of telemetry signal • First firing of a Harpoon from an Australian P-8
1630-1800	USS OLYMPIA	1x Mk-48	Success – 4 min run to impact
Unscheduled	CVW-2	7x GBU-16	Success – 2x alert F/A-18 dropped 7x GBU-16 • Target sunk visually; confirmed by P-8 (time 1957)



RIMPAC SINKEX Summary – 19 Jul 2018

Target: ex USS MCCLUSKY (FFG 41)

Range Time Scheduled	Unit	Weapon	Results
0800-0900	VMFA-533	1x AGM-84H (SLAM-ER)	Not executed • 2x successful dry runs. Hot run heading drift moved hazard pattern too close to other participants. Aborted due to fuel.
0900-1100	VP-46	2x AGM-65 (Maverick)	Success 1x impact on bridge; 1x reported as miss by aircrew
1100-1200	RSN TENACIOUS	2x RGM-84 (Harpoon)	Success – impact confirmed by PMRF aircrew 2x impact near the waterline
1200-1245	VP-62	1x AGM-65 (Maverick)	Not executed 1x successful cold run. Hot run aborted at 1238 due to sinking hulk (halfway underwater).
			1247 – target sunk; visually confirmed by PMRF helo



RIMPAC Experimentation

- RIMPAC 2018 experimentation efforts will be executed with Navy Warfare Development Command as part of the Navy's Fleet Experimentation (FLEX) program
- The majority of experiments will take place as part of TRIDENT WARRIOR 2018
 - Co-sponsored by SPAWAR
 - TRIDENT WARRIOR is an annual large scale at-sea field experiment event that focuses on information warfare
- 39 experimental initiatives are scheduled to occur during RIMPAC 2018
- RIMPAC 2018 included an Innovation Fair for the first time



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<u>Who</u>: THIRD Fleet, PACFLT and ONR are facilitating an Innovation Fair for all RIMPAC Participants. (23 initiatives, 5 countries)

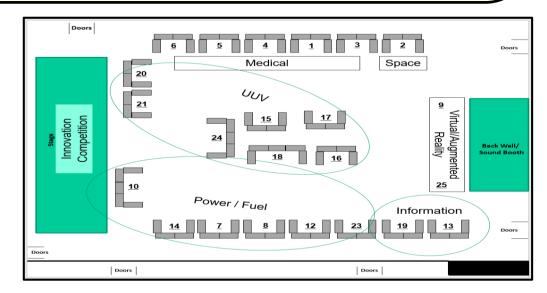
<u>*What*</u>: A four day fair event during the harbor phase that fosters cooperation, trust, and interoperability through interactive displays featuring innovative ideas and concepts that advance naval capabilities. The event includes exhibitions, innovation opportunities, contests, and special events.

Where: JBPHH, at Club Pearl

When: Thursday, 28 June – Sunday, 1July 2018

<u>Why</u>: To engage Sailors and Marines and expose them to the innovation community that drives experimentation.







RIMPAC Symposiums

Senior Enlisted Leadership Program

Discussion and collaboration on Senior Enlisted leadership and roles within the military

RIMPAC Innovation Fair

Exhibitions, displays, innovation opportunities, competition, and special events

Submarine Rescue Symposium

Processes and best practices, Table-Top Exercise, Sub Rescue Medical Symposium

Chaplaincy Symposium

Sharing of nation specific ministry successes, discussion of moral injury, spiritual fitness assessment, HA/DR case study

Medical Symposium

Various medical subject matter expert exchanges/briefs

Legal / Environmental / ROE Symposium

Provide legal advisors a set of baseline information for the exercise

Human Capital Summit

Navy family framework, Women Peace and Security, Life Cycle of a Sailor

HA/DR Symposium

101 level course for basics on HA/DR



Final DV/VIP Summary

- 37 total DV/VIP and media movements (shore-based and atsea embarks)
- 400 at-sea embarks
- 206 guests to USS CARL VINSON
- 87 guests to HMAS ADELAIDE
- 107 guests to other partner nation and U.S. ships
- OLA Visits
 - 1 CODEL
 - 8 STAFFDEL
- DVs included
 - 2 Ministers of Defense
 - 3 Ambassadors
 - 6 CNO/VCNOs



- Enables increased interoperability between Pacific Rim Nations
- Reinforces strong and fosters new partnerships
- Promotes stability in the Asia-Pacific region
- Demonstrates our longstanding commitment to enhancing coalition interoperability
- Showcases the ever increasing role of global maritime trade
- Links freedom of navigation to regional prosperity





RIMPAC 2020 Planning Cycle

(Hawaii)

(Hawaii)

2019

- Concept Development Conference (San Diego)
- Initial Planning Conference (San Diego)
 Site Survey (Hawaii)
- Mid-Planning Conference
- Scenario/MSEL Workshop

2020

- Commander's Conference
- Staff Exercise
- Final Planning Conference
- Execution
- Senior Leadership Summit

(TBD)	Feb
(San Diego)	Mar
(San Diego)	Mar
(HI/SOCAL)	Aug
(San Diego)	Nov

Feb (C3F only) Jul Aug (C3F only) Dec Dec





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