



Special Feature	<b>1 Defense Chronology</b>	001
Special Feature	<b>2 New Domains</b>	011
Special Feature	<b>3 50 Years of the Defense of Japan</b>	013

<b>Digest</b>	The content of Part I to Part IV of the main text is summarized in 24 pages.	015
---------------	--	-----

Part  
**I**

Security Environment Surrounding Japan

**Chapter 1 Overview**

1. Current Trends in Security Environment	41
2. Regional Security Environment Surrounding Japan	42

**Chapter 2 Defense Policies of Countries**

<b>Section 1 The United States</b>	45
1 Security and Defense Policies	45
2 Military Posture	53
<b>Section 2 China</b>	56
1 General Situation	56
2 Military Affairs	57
3 Relations with Countries and Regions	80
4 Military Capabilities of Taiwan	86
<b>Section 3 Korean Peninsula</b>	90
1 North Korea	91
2 The ROK and the U.S. Forces Korea	109
<b>Section 4 Russia</b>	113
1 General Situation	113
2 Security and Defense Policies	114
3 Military Posture and Trends	115
4 Russian Forces in the Vicinity of Japan	120
5 Russian Forces in Japan's Northern Territories	122
6 Relations with Other Countries	123
<b>Section 5 Oceania</b>	129
1 Australia	129
2 New Zealand	132
<b>Section 6 Southeast Asia</b>	134
1. General Situation	134
2. Security and Defense Policies of Each Country	134
3 Military Modernization in the Region	139
4 Intra- and Extra-Regional Cooperation	140
<b>Section 7 South Asia</b>	142
1 India	142
2 Pakistan	144
3 Disputes over the Sovereignty of Kashmir	145
<b>Section 8 Europe</b>	146
1 General Situation	146
2 Enhancement of Multinational Security Frameworks	146
3 Security/Defense Policies of European Countries	149
<b>Section 9 Middle East, North Africa, and Other Regions</b>	153
1 Overview	153
2 Situation in the Gulf Region	153
3 The Situation Surrounding Middle East Peace	156
4 Situation in Syria	156
5 Situation in Yemen	157
6 Situation in Libya	158
7 Situation in Egypt	159
8 Situation in Afghanistan	159
9 Situation in South Sudan	160
<b>10 Situation in Somalia</b>	161

**Chapter 3 Trends Concerning New Domains including Outer Space, Cyberspace, and Electromagnetic Spectrum, and Relevant Challenges Facing the International Community**

<b>Section 1 Trends Concerning Military Science and Technology</b>	163
1 Military Science and Technological Trends	163
2 Trends Concerning Defense Technological and Industrial Bases	167
<b>Section 2 Trends in Space Domain</b>	169
1 Space Domain and Security	169
2 Various Countries' Outer Space Initiatives	170
<b>Section 3 Trends in Cyber Domain</b>	174
1 Cyberspace and Security	174
2 Threats in Cyberspace	174
3 Initiatives against Cyberspace Threats	177
<b>Section 4 Trends in Electromagnetic Domain</b>	180
1. Electromagnetic Domain and Security	180
2 Each Country's Electronic Warfare Initiatives	181
<b>Section 5 Developments regarding the Novel Coronavirus Disease (COVID-19)</b>	183

<b>Section 6 Maritime Trends</b>	186
1 Trends Related to the "Principle of the Freedom of the High Seas"	186
2 National Maritime Security Initiatives	187
3 Trends in the Arctic Ocean	189
<b>Section 7 Transfer and Proliferation of Weapons of Mass Destruction (WMDs)</b>	191
1 Nuclear Weapons	191
2 Biological and Chemical Weapons	192
3 Ballistic Missiles and Other Missiles	193
4 Growing Concerns about Transfer and Proliferation of WMDs and Other Technologies	193
<b>Section 8 Trends in International Terrorism</b>	195
1 General Situation	195
2 Trends in ISIL-related International Terrorist Organizations	195
3 Movements of International Terrorist Organizations Other Than ISIL-Affiliated Groups	197

Part  
**II**

Japan's Security and Defense Policy

**Chapter 1 Basic Concepts of Japan's Security and Defense**

<b>Section 1 Measures to Ensure Japan's Security</b>	199
<b>Section 2 Constitution and the Basis of Defense Policy</b>	200
1 Constitution and the Right of Self-Defense	200
2 The Government's View on Article 9 of the Constitution	200
3 Basic Policy	202

**Chapter 2 Organizations Responsible for Japan's Security and Defense**

<b>Section 1 National Security Council</b>	204
<b>Section 2 Organization of the MOD/Self-Defense Forces (SDF)</b>	205
1 Organizational Structure Supporting Defense Capability	205
2 Joint Operations System of the SDF	211

**Chapter 3 Japan's Security and Defense Policy**

<b>Section 1 Outline of the National Security Strategy (NSS)</b>	213
1 Japan's National Security Policy Framework	213
2 Outline of the NSS: Proactive Contribution to Peace	213
<b>Section 2 Outline of NDDPG</b>	215
1 Basic Approach—Building a Multi-Domain Defense Force	215
2 Japan's Basic Defense Policy	216
3 Priorities in Strengthening Defense Capability	217
4 Organization of the SDF	217
5 Elements Supporting Defense Capability	220
<b>Section 3 Outline of the MTDP (FY2019–FY2023)</b>	221
1 Program Guidelines	221
2 Quantities of Major Procurement	222
3 Expenditures	222

**Chapter 4 Build-up of Defense Capability, etc.**

<b>Section 1 Build-Up of Defense Capability in FY2020</b>	224
<b>Section 2 Defense-Related Expenditures</b>	226
1 Overview of Defense-Related Expenditures	226
2 Breakdown of Defense-Related Expenditures	226
3 Initiatives for Increasing the Efficiency of Procurement	229
4 Comparison with Other Countries	229

**Chapter 5 Development of Legislation for Peace and Security and the Self-Defense Forces (SDF) Activities since Legislation's Enforcement**

<b>Section 1 Framework for Activities of the SDF and Others</b>	231
1 Responses to Armed Attack Situations, etc., and Survival-Threatening Situations	231
2 Responses to Situations that Will Have an Important Influence	233
3 Maintenance of Public Order and Responses to Aggression that Do Not Amount to an Armed Attack	234
4 Disaster Relief Dispatches and Others	236
5 Framework for Contributing to the Peace and Stability of the International Community	236
<b>Section 2 SDF Activities since Enforcement of Legislation for Peace and Security</b>	239
1 Promotion of Various Preparations for New Missions Based on the Legislation for Peace and Security	239
2 Dispatch of Staff Officers to the Multinational Force and Observers (MFO)	239
3 The Operationalization of the Protection of Weapons and Other Equipment of the Units of the Armed Forces of the United States and Other Countries (SDF Law Article 95-2)	240
4 Conclusion of the New Japan-U.S. Acquisition and Cross-Servicing Agreement (ACSA)	241
5 Assignment of New Mission for the South Sudan PKO	241

# DEFENSE OF JAPAN 2020

Part  
III

Three Pillars of Japan's Defense (Means to Achieve the Objectives of Defense)

## Chapter 1 Japan's Own Architecture for National Defense

<b>Section 1 Response from Peacetime to Grey Zone Situations</b> .....	243
1 Persistent ISR in the Area Surrounding Japan .....	244
2 Measures against Violation of Japan's Sovereignty .....	247
<b>Section 2 Defense of Japan including its Remote Islands</b> .....	252
1 Defense of Japan's Remote Islands .....	252
2 Response to Missile Attacks .....	255
3 Response to Attacks by Guerillas, Special Operations Forces and Others .....	261
4 Readiness against Invasion .....	264
5 Initiatives Related to the Protection of Civilians .....	265
<b>Section 3 Responses in the Domains of Space, Cyberspace and Electromagnetic Spectrum</b> .....	266
1 Responses in Space Domain .....	266
2 Response in Cyber Domain .....	270
3 Response in Electromagnetic Domain .....	273
<b>Section 4 Efforts of the MOD/SDF in response to the Spread of Novel Coronavirus Disease (COVID-19)</b> .....	275
1 Dispatching Nursing Officers to the Chartered Airplane Leaving Wuhan .....	275
2 Disaster Relief in Response to COVID-19 .....	275
3 Activities at the SDF Hospital, etc. ....	277
4 Activities for Sending Out and Sharing of Information at Home and Abroad .....	280
5 Efforts of the MOD/SDF to Prevent the Spread of COVID-19 Infection .....	281
6 Other Efforts .....	281
<b>Section 5 Response to Large-Scale Disasters, etc.</b> .....	282
1 Response to Large-Scale Disasters, etc. ....	282
2 Response to Rescue and Transport of Japanese Nationals Overseas, etc. ....	291
<b>Section 6 Information Gathering Activities for Ensuring the Safety of Japan-related Vessels in the Middle East</b> .....	292
1 Background of the Deployment of the SDF to the Middle East .....	292
2 Outline of the Government's Efforts to Ensure the Safety of Japan-Related Vessels in the Middle East (Cabinet Decision) .....	293
3 Communication and Cooperation with Relevant Countries .....	297

## Chapter 2 Japan-U.S. Alliance

<b>Section 1 Outline of the Japan-U.S. Security Arrangements</b> .....	299
1 Significance of the Japan-U.S. Security Arrangements .....	299
2 Background to the Strengthening of the Alliance .....	301
3 Content of the Guidelines for Japan-U.S. Defense Cooperation .....	302
4 Policy Consultations between Japan and the United States .....	306
<b>Section 2 Strengthening Ability of Japan-U.S. Alliance to Deter and Counter Threats</b> .....	309
1 Cooperation in Space and Cyber Domains .....	309
2 Comprehensive Air and Missile Defense .....	310
3 Bilateral Training and Exercises .....	310
4 ISR Activities .....	312
5 Maritime Security .....	312
6 Logistics Support .....	312
7 Cooperation in Response to a Large-Scale Disaster in Japan .....	313
<b>Section 3 Strengthening and Expanding Cooperation in a Wide Range of Areas</b> .....	314
1 Creation of a Desirable Security Environment .....	314
2 Initiatives for Leveraging Capabilities .....	315
<b>Section 4 Steady Implementation of Measures Concerning the USFJ</b> .....	317
1 Stationing of the USFJ .....	317
2 Progress of the Realignment of the USFJ .....	319
3 Stationing of the U.S. Forces in Okinawa .....	320
4 Stationing of the U.S. Forces in Regions Other than Okinawa .....	334
5 Initiatives for Smooth Implementation of the Realignment of the USFJ .....	340

## Chapter 3 Security Cooperation

<b>Section 1 Strategic Promotion of Multi-Faceted and Multi-Layered Defense Cooperation</b> .....	341
1 Significance and Evolution of Security Cooperation and Dialogue, and Defense Cooperation and Exchanges etc. ....	341
2 Promotion of Defense Cooperation and Exchanges .....	346
3 Promotion of Multilateral Security Cooperation .....	373
4 Proactive and Strategic Initiatives for Capacity Building .....	380
<b>Section 2 Ensuring Maritime Security</b> .....	383
1 Initiatives towards Ensuring Maritime Security .....	383
2 Counter-Piracy Operations .....	383
3 Training-Centered Initiatives .....	387
4 Cooperation in Maritime Security .....	387
<b>Section 3 Cooperation in Use of Space and Cyber Domains</b> .....	388
1 Cooperation in the Use of Space Domain .....	388
2 Cooperation in the Use of Cyber Domain .....	388
<b>Section 4 Initiatives for Arms Control, Disarmament and Non-Proliferation</b> .....	390
1 Initiatives Focused on Treaties Relating to Arms Control, Disarmament, and Non-Proliferation .....	390
2 International Initiatives Aimed at Non-Proliferation of Weapons of Mass Destruction .....	391
<b>Section 5 Efforts to Support International Peace Cooperation Activities</b> .....	393
1 Frameworks for International Peace Cooperation Activities .....	393
2 Initiatives to Support UN PKO, etc. ....	394
3 International Disaster Relief Activities .....	399

Part  
IV

Core Elements Comprising Defense Capability, etc.

## Chapter 1 Human Resource Base that Sustains the Defense Capability

<b>Section 1 Reinforcing Human Resource Base</b> .....	403
1 Recruitment and Employment .....	403
2 Daily Education and Training .....	408
3 Measures Aimed at Ensuring Effective Use of Human Resources .....	408
<b>Section 2 Further Promotion of Work-Life Balance and Women's Participation</b> .....	416
1 Working Style Reform .....	416
2 Reform to Combine a Successful Career with Childrearing and Nursing Care .....	417
3 Reform for Promoting the Careers of Female Personnel .....	418

## Chapter 2 Measures on Defense Equipment and Technology

<b>Section 1 Reviewing Equipment Structure</b> .....	422
1 Initiatives for Construction of Optimized Equipment Structure .....	422
2 Initiatives to Make the Most of Limited Human Resources (Manpower Saving and Automation) .....	423
<b>Section 2 Reinforcing Technology Base</b> .....	424
1 Necessity of Reinforcing Technology Base .....	424
2 Defense Technology Strategy and Related Documents .....	424
3 Initiatives for Research and Development .....	426
4 Active Utilization of Civilian Technology .....	427
<b>Section 3 Optimizing Equipment Procurement</b> .....	430
1 Project Management throughout Equipment Life Cycle .....	430
2 Improving the Contract System and Other Related Matters .....	431
3 Initiatives Aimed at Increasing the Efficiency of Procurement, and Other Related Initiatives .....	433
4 Promoting Initiative towards Streamlining of Foreign Military Sales (FMS) Procurement .....	434
<b>Section 4 Strengthening Defense Industrial Base</b> .....	435
1 Current Situation of Japan's Defense Industrial Base .....	435
2 The Strategy on Defense Production and Technological Bases .....	436
3 Initiatives toward Strengthening of Defense Industrial Base .....	437
<b>Section 5 Defense Equipment and Technology Cooperation</b> .....	440
1 Three Principles on Transfer of Defense Equipment and Technology .....	440
2 Deepening Relationships with the United States regarding Defense Equipment and Technology Cooperation .....	441
3 Building New Defense Equipment and Technology Cooperation .....	442
4 Adapting Defense Equipment for External Use .....	446
5 Participation in International Defense Equipment Exhibitions .....	446
6 Public-Private Collaboration for Appropriate Overseas Transfer of Defense Equipment .....	447
7 Preventing Leakage of Key Technologies for Defense Equipment .....	447

## Chapter 3 Enhancing Intelligence Capabilities

1 Military Intelligence Collection .....	448
2 Initiatives towards Enhancing Intelligence Capabilities .....	450
3 Defense Intelligence Headquarters .....	450

## Chapter 4 Elements that Sustain Defense Capability

<b>Section 1 SDF Training</b> .....	451
1 Training and Exercise by Each Self-Defense Forces (SDF) .....	451
2 Training Environment .....	451
3 Initiatives to Safety Management, etc. ....	452
<b>Section 2 Enhancement of Medical Functions</b> .....	453
1 Enhancing Seamless Medical Care and Evacuation Posture .....	453
2 SDF Hospitals Serving as Hub Hospitals with Enhanced Functions .....	453
3 Strengthening the Function of the NDMC .....	454
4 Enhancement of Education of Medical and Nursing Officers .....	455
5 Enhancement of Capabilities to Treat War Injury .....	455
6 Developing Conditions Necessary for International Cooperation .....	456

## Chapter 5 Interaction with Local Communities and Japanese Citizens

<b>Section 1 Collaboration with Local Communities</b> .....	457
1 Supporting Civilian Life .....	457
2 Cooperation from Local Governments and Other Relevant Organizations for the SDF .....	457
3 Activities for Securing Understanding and Cooperation of Municipal Governments and Local Residents .....	458
4 Measures to Promote Harmony between Defense Facilities and Surrounding Areas .....	458
5 Participation in National Events .....	463
6 Activities for Tokyo Olympic and Paralympic Games .....	464
7 Other Initiatives .....	466
<b>Section 2 Public Relations Activities, Public Records and Archives Management, Information Disclosure, and Related Activities</b> .....	468
1 Various Public Relations Activities .....	468
2 Initiatives for Public Document Management and Information Disclosure .....	471
3 Initiatives for Policy Evaluation .....	471

## Column

Part  
I

## Chapter 2 Defense Policies of Countries

Column	Establishment of the Space Force	54
Column	Changing Military Balance between China and Taiwan	88
Column	North Korea's nuclear and missile capabilities (Based on the current state of miniaturization and warhead technology of nuclear weapons)	104
Column	Trends in Military Cooperation Between Russia and China	124

## Chapter 3 Trends Concerning New Domains including Outer Space, Cyberspace, and Electromagnetic Spectrum, and Relevant Challenges Facing the International Community

Column	Technology for Coordination between Crewed Aircraft and Unmanned Aerial Vehicles (UAV)	165
--------	--	-----

Part  
II

## Chapter 2 Organizations Responsible for Japan's Security and Defense

Column	Duties of the Self Defense Forces	212
--------	-----------------------------------	-----

## Chapter 3 Japan's Security and Defense Policy

Column	Acquisition of the F-35B Fighter Aircraft	223
--------	---	-----

## Chapter 4 Build-up of Defense Capability, etc.

Column	Capability Enhancement regarding Space, Cyberspace and Electromagnetic Domains as Part of the Buildup of Defense Capability in 2020	224
--------	---	-----

Part  
III

## Chapter 1 Japan's Own Architecture for National Defense

VOICE	Voice of Fixed-Wing Patrol Aircraft Crew in Charge of Warning and Surveillance	247
Column	Scrambling against Aircraft Intruding into Territorial Airspace	250
VOICE	Working at My New Post at the GSDF Miyako Guard	255
VOICE	Activities of Personnel Dispatched to JAXA	269
VOICE	A Private-ship Captain Who Fought Against COVID-19 Virus Together with SDF Personnel	277
Column	"Fight against an Invisible Enemy (Novel Coronavirus)"—Achieved Zero Secondary Infections	278
VOICE	Response to the Novel Coronavirus Disease (COVID-19)	279
Column	A Letter of Thanks from a German Couple	280
Column	Launch of the MOD/SDF's Official Twitter Account (For Disaster Response)	284
Column	Use of Drones for Disasters to Convey Information on the Current Status at the Time of Disasters	285
Column	Provision of Allergy-Conscious Meals	286
VOICE	Activities at Tokyo Electric Power Co., Inc. (TEPCO) during the Disaster Relief in Response to the 2019 Boso Peninsula Typhoon (Typhoon Faxai)	287
	Participating in Disaster Relief	288
	Participating in Disaster Relief Activities in Response to the 2019 East Japan Typhoon (Typhoon Hagibis)	288
VOICE	Engaging in Information Gathering Activities in the Middle East	296
VOICE	Response from Relevant Industries to the Information Gathering Activities in the Middle East	297

## Chapter 2 Japan-U.S. Alliance

VOICE	Enhancement of Multidimensional Japan-U.S. Bilateral Response Capabilities	310
VOICE	Participating in Malabar 2019	315

## Chapter 3 Security Cooperation

VOICE	Voice of SDF Personnel Who Participated in Japan-India bilateral exercise SHINYUJ Maitri 19	350
VOICE	Announcement of "Vientiane Vision 2.0": Voice of Personnel Who Engaged in its Development	351
VOICE	Enhancing the Ability of the Armed Forces of the Philippines to Respond to Disasters	354
VOICE	Voice of SDF Personnel Who Participated in the International Fleet Review to Commemorate the 70th Anniversary of the Founding of the Chinese People's Liberation Army Navy	366
VOICE	Voice of the First Official Trip to Pacific Island Countries by State Minister of Defense, One of the political officers of the MOD and Support Staff	369

VOICE	Voice of SDF Personnel who Participated in Capacity Building for Lao People's Armed Forces	382
-------	--	-----

VOICE	Voice of SDF Personnel Engaging in the United Nations Project for Rapid Deployment of Enabling Capabilities (RDEC) (renamed United Nations Triangular Partnership Project (UNTPP))	398
-------	--	-----

VOICE	Voice of an SDF Personnel Engaged in International Disaster Relief Activities in Response to a Large-scale Bushfire in Australia	401
-------	--	-----

Part  
IV

## Chapter 1 Human Resource Base that Sustains the Defense Capability

VOICE	Voice of an Active SDF Reserve Personnel and His Employer	406
VOICE	Voice of SDF Personnel Studying at Graduate Schools etc. at Home or Abroad	409
Column	SDF's Emergency Rations	410
Column	Defensive Memorial Cordons, Defensive Meritorious Badges and Medals for Contribution to Unit Merits	410
VOICE	Voice of a Re-employed SDF Personnel and His Employer	413
VOICE	Voice of a Father Enjoying Child Rearing	417
VOICE	Active Participation of Female Personnel	420

## Chapter 2 Measures on Defense Equipment and Technology

Column	Development of F-X	427
VOICE	Defense Industry Supporting Build-Up of Defense Capability	439

## Chapter 3 Enhancing Intelligence Capabilities

VOICE	Voice of Defense Attachés	449
-------	---------------------------	-----

## Chapter 5 Interaction with Local Communities and Japanese Citizens

Column	"Disposal of Unexploded Bombs" Contributing to Safety and Security of People	458
Column	Addressing Issues of perfluorooctane sulfonate (PFOS) and other organic fluorine compounds	463
VOICE	Participating in a National Event (Sokuirei-Seiden-no-gi, Ceremony of the Enthronement of His Majesty the Emperor at the Seiden [State Hall])	464
VOICE	After the Ceremony to Receive the Olympic Flame	465
Column	The Drone Act	467
VOICE	Essay Competition: Impressions upon Reading Defense of Japan 2019	469

- Maps in this White Paper may contain omissions depending on the design and layout and may not necessarily show the entire Japanese territory.

The period covered by this White Paper is up to the end of March 2020, in principle.