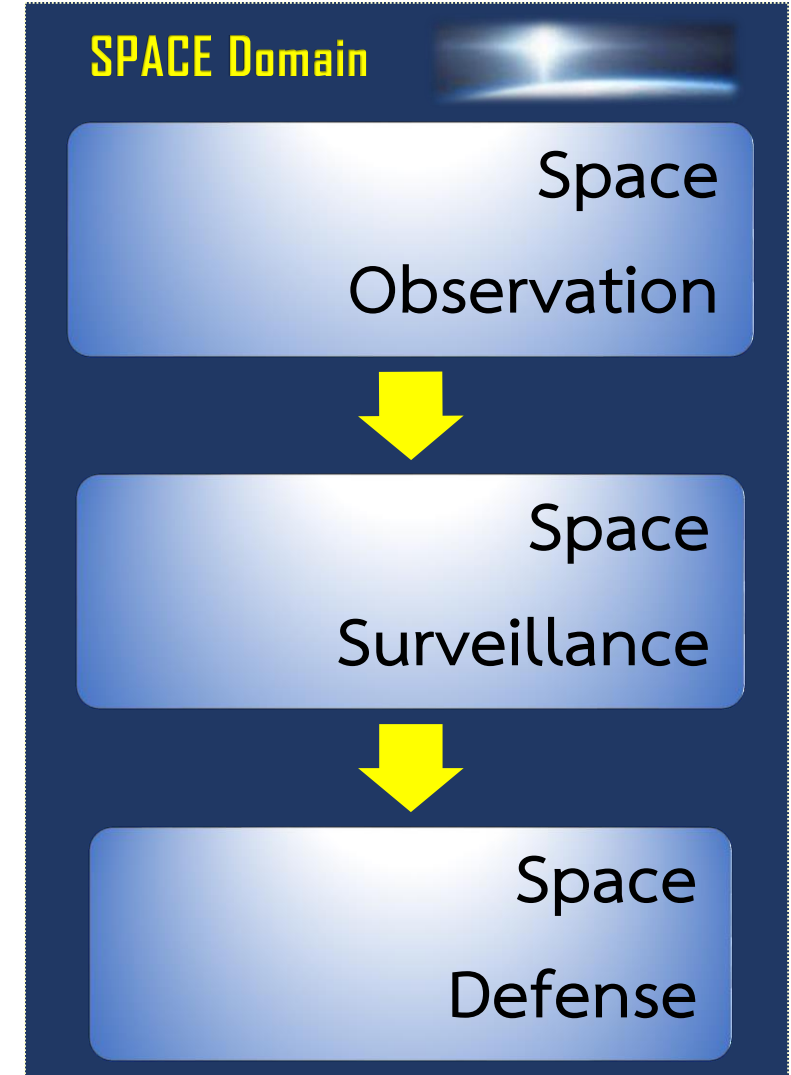
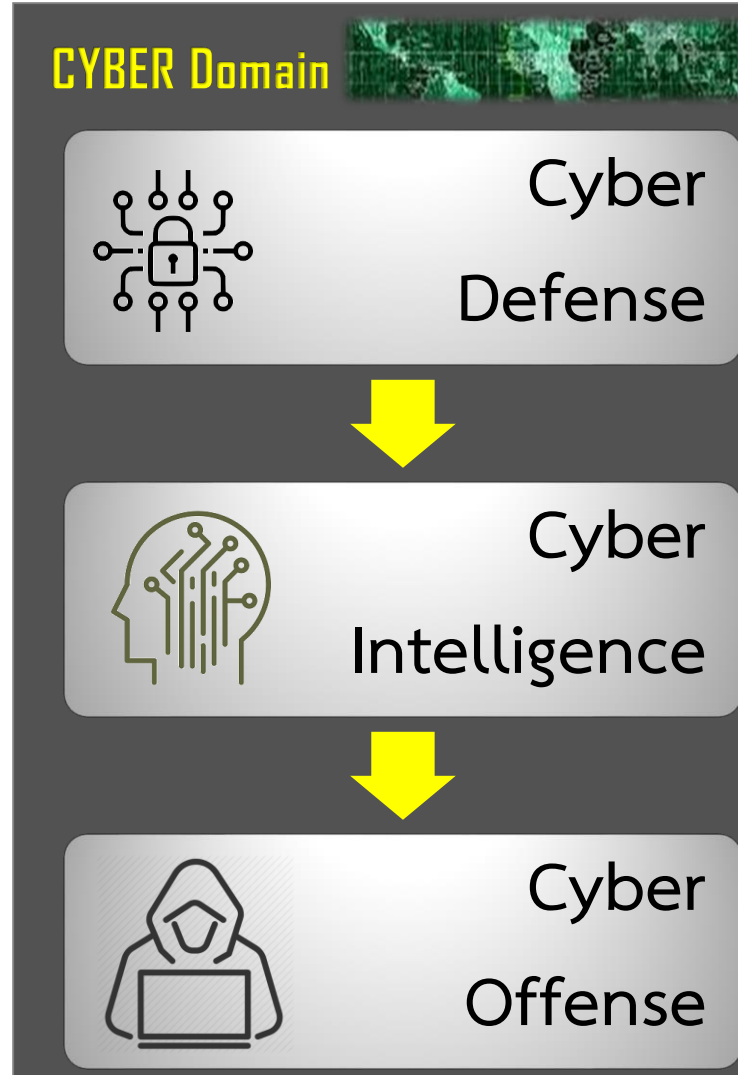




Force Development & White Paper 2020







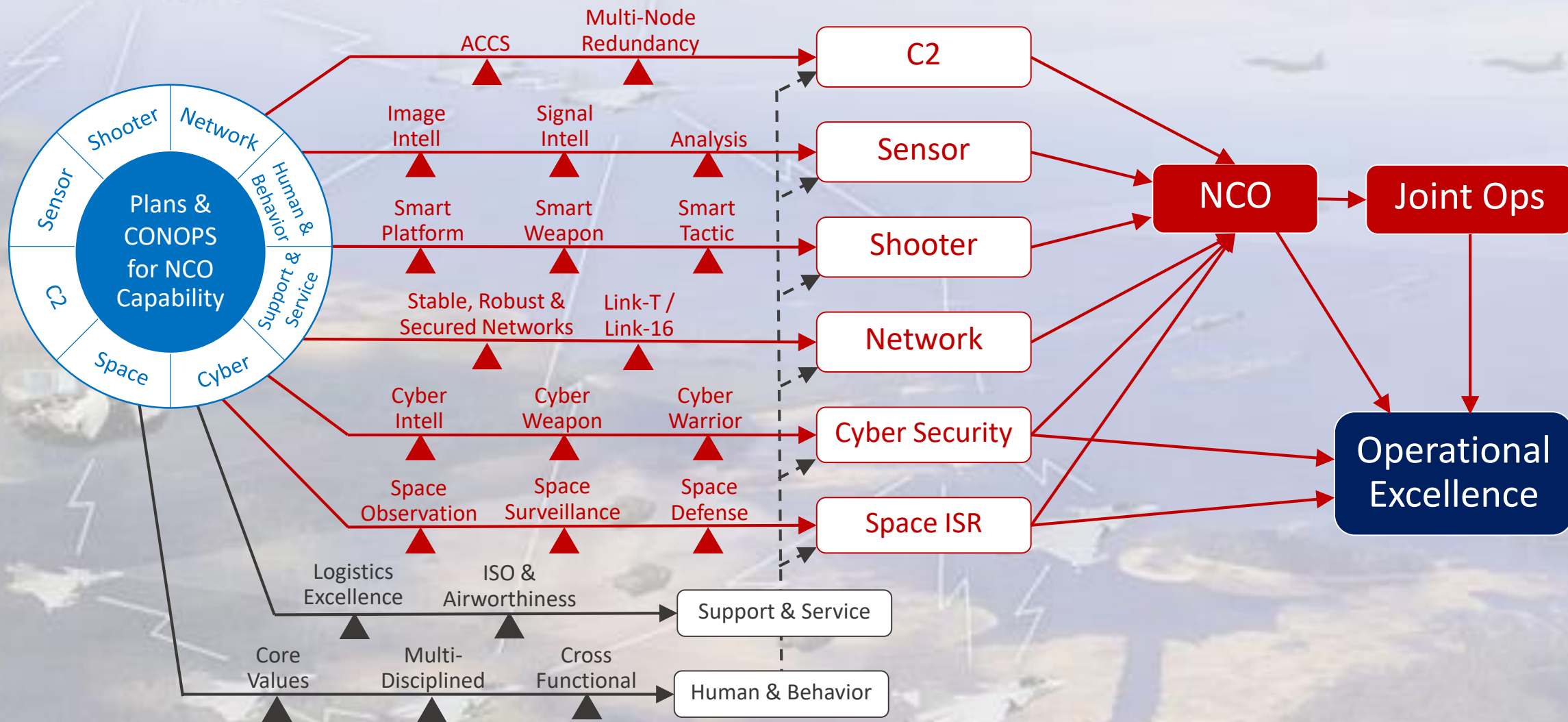
RTAF C-in-C Policy

- Visions “One of the Best Air Force In ASEAN”
- Force Modernization in All 3 Domains
- Moving towards Sustainable Smart Air Force
 - Force Structure
 - State-of-the-Art
 - Purchase & Development
 - Good Governance





One of the Best Air Forces in ASEAN



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Chapter 1 Introduction

Chapter 2 Situations and Challenges

Chapter 3 Strategies and Air Power Requirements

Chapter 4 RTAF Structure and Key Capability Requirements

Chapter 5 Medium-Term Plan and Budget Requirements

Chapter 6 Implementation



Chapter 1

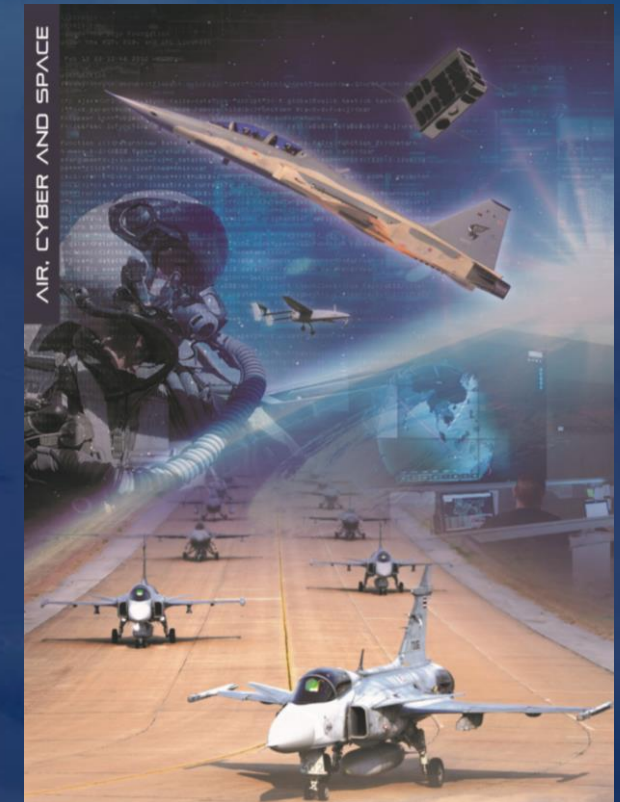
Introduction



Introduction

- Objectives

- **Awareness & understanding** on the rationale and necessity of RTAF modernization
- RTAF **10-year defence materiel requirements**
- **Concept of Project Requirements (COPR)**
- Cooperation on **defence industry development**
- **Transparent & efficient procurement**





Chapter 2

Situations and Challenges



Situations & Challenges

- RTAF Context - **Force Modernization in Air, Cyber & Space Domains**
- Maintaining RTAF Capabilities - **Logistics & Maintenance Excellence**
- Military Technology - **Advanced Technology for All 3 Domains & Simulation**
- Defence Industry - **New S-Curve 11 & Strengthening of Thai Defence Industry**
- RTAF Budget - **Combat Readiness & Capability Enhancement Despite Budget**

Constraint

- Future Challenges
 - **Modern & Legacy Systems**
 - **RTAF Personnel in the Future**
 - **Technological Monopoly**
 - **Evolution of RTAF Military Technology**





Chapter 3

Strategies and Air Power Requirements



Strategies & Air Power Requirements

- Roles, Responsibilities & Missions
- Security Policies & Strategies
- Principles of RTAF Air Power Employment
 - Air Warfare Principles
 - Air Operations - **Tenets of Air Power**
 - Cyber Operations
 - Space Operations





Chapter 4

RTAF Structure
and Key Capability Requirement



RTAF Structure & Key Capability Requirements

- Key Development Principles
 - Reorganization & Force Structure Reform
 - Prioritization
 - Logistics Support Efficiency Improvement
 - Purchase & Development (P&D)
- Key Capabilities and Future Air Power
 - Air Operations & Missions
 - Air Base & Air Base Defence
 - Cyber Operations
 - Space Operations
 - Pilot Training





Chapter 5 Medium-Term Plan & Budget Requirements



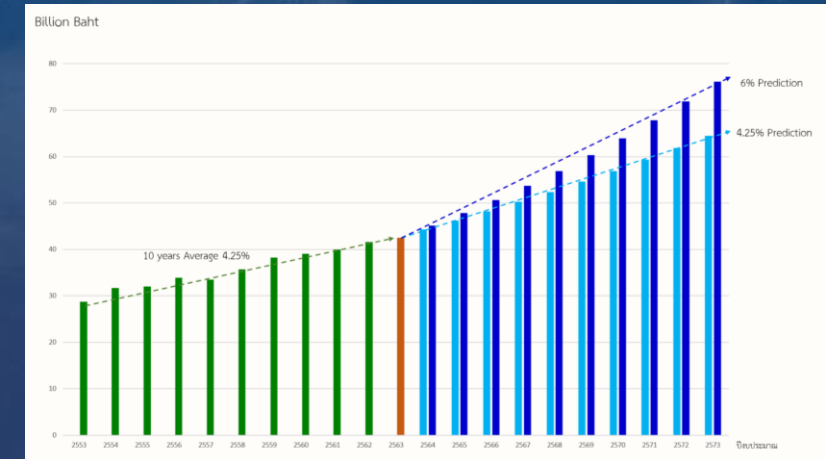
Chapter 5

Medium-Term Plan and Budget Requirements



Medium-Term Plan & Budget Requirements

- Key Principles
- Initial Budget Requirements & Budget Forecast
- 10-Year Requirement Plan
- Concept of Project Requirements (COPR)
 - Rationale
 - Objective
 - Timeframe
 - Requirements
 - Budget
 - Outcome





White Paper : Strengthening all domains

Space Domain

SSA

Space Capability

2561/2018	2562/2019	2563/2020	2564/2021	2565/2022	2566/2023	2567/2024	2568/2025	2569/2026	2570/2027	2571/2028	2572/2029	2573/2030		
Jan Apr Jul Oct	Jan Apr Jul Oct	Jan Apr Jul Oct	Jan Apr Jul Oct	Jan Apr Jul Oct	Jan Apr Jul Oct	Jan Apr Jul Oct	Jan Apr Jul Oct	Jan Apr Jul Oct	Jan Apr Jul Oct	Jan Apr Jul Oct	Jan Apr Jul Oct	Jan Apr Jul Oct		
2018: Telescope Inthanon 0.8				2022: Telescope										
2019: Telescope Samui 0.5														
2018: Nano Sat (6U) launch		2019: Nano Sat (6U) launch		2021: Micro Satellite (2-3 EA)			2024: Micro - Mini Satellite (3 EA)			2027: Micro - Mini Satellite (3 EA)				
2022: Satellite Infrastructure														

1. Rationale

At present, the requirements to produce qualified military pilots for RTAF operations has continuously increased, resulting in the procurement plan for in-time replacement of PC-9 Training Aircraft, which will be decommissioned in 2023.

2. Objective

To procure 12 Training Aircraft for PC-9 replacement, including ground support equipment, spare parts, training and other necessary expenses for complete support of the RTAF advanced student pilot training.

3. Length of Process

Obligated budget for 4 years (Fiscal Year 2020 – 2023)

4. Requirement

- 1) Training aircraft, with modern technology and performances that meet all RTAF requirements as well as having support systems according to all training missions as required by RTAF, which can be continuously developed and upgraded in the future
- 2) Complete integrated training system which can be used to efficiently evaluate and analyze student pilots' performances
- 3) Simulator for simulated flight and emergency training
- 4) Training and technology transfer for enhanced capabilities in aircraft maintenance on a basis of self-reliance

5. Budget

5,195,000,000 baht

6. Outcome

The RTAF student pilots will become more efficient, mission-capable and ready for ongoing basic and advanced tactical training for fighter/attacker, helicopter and special operations pilots in the operational squadrons. Also, the RTAF student pilot training will be in accordance with international military standard, airworthy and cost effective.



1. Rationale

The further development and manufacturing of RTAF UAV system for military and civil purposes leads to capability enhancement in combat operations on a basis of self-reliance.

2. Objective

To enhance RTAF U1 UAV capabilities in surveillance and combat missions including equipment and other related systems.

3. Timeframe

Obligated budget for 2 years (Fiscal Year 2021 – 2022)

4. Requirements

- 1) RTAF U1 UAV with capability enhancement in surveillance and combat missions
- 2) Essential systems and equipment including Ground Control Station (GCS), EO/IR/ LRF Camera, Ground Data Terminal (GDT) and initial spare parts
- 3) Technology transfer for manufacturing, testing, weapon installation and integration as well as development of OFP for UAV system

5. Budget

450,000,000 Baht

6. Outcome

RTAF possesses UAV capabilities in training, combat and surveillance operations, and disaster relief.





Chapter 6 Implementation



Chapter 6

Implementation



Implementation

- **Organizations & Stakeholders** Related to RTAF White Paper 2020 Implementation
- RTAF White Paper 2020 **Implementation Process**
- **Evaluation & Review** of RTAF White Paper 2020



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