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This document is CLASSIFIED:

Take It to the Grave/Go Team..on Three //Keep This in the Family

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HEADQUARTERS  
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STRATEGIC EXERCISE DIRECTIVE

Headquarters

Title: Operation PittsHatten Project

Date: Early 1949

To: Strategic Planning Division

From: Lt. Col. J. J. Boyce, Intelligence Analysis Office  
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Background

The United States remains the only nuclear power as of early 1949. However, intelligence suggests that the Soviet Union is making significant progress toward developing atomic weapons. The Joint Nuclear Energy Intelligence Committee (JNEIC) estimates that the USSR may achieve its first successful nuclear detonation by mid-1950 at the earliest, with a more likely timeline extending to mid-1953. These estimates rely on known Soviet capabilities in uranium refinement, research infrastructure, and production efficiency.

The U.S. seeks to maintain its atomic monopoly for strategic superiority, deterrence, and geopolitical leverage. As such, it is imperative to predict with accuracy when the Soviets will achieve parity and prepare contingency plans for counteraction.  
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Objectives

Objective 1: Predict the Soviet Atomic Bomb Timeline

Simulate the timeline required for the development and deployment of atomic capabilities by analyzing factors such as knowledge, collaboration, and infrastructure.

Objective 2: Develop a Strategic Bomber Force

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Prepare operational plans for U.S., U.K., and Soviet bombers capable of delivering nuclear payloads, ensuring readiness for deterrence and retaliation strategies.

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### Task 1: Predict the Soviet Timeline

Complete the following steps to simulate Soviet atomic bomb development:

Access Codecademy C# Course: Each member will individually complete:

"Learn C#: Setting Up"

"Hello World" module.

Collaborative Group Effort: The group will collectively complete:

"Data Types and Variables"

"Numbers and Operators"

"Strings."

Quiz Completion: Upon finishing the Codecademy sections, the group will gain access to a quiz. Successful completion unlocks critical YAML snippets needed for the next phase.

### Deliverables:

Screenshots of completed Codecademy modules (minimum three sections per member).

Completion of the group quiz.

Estimate of the time required for other teams (representing the Soviets) to "develop" their own atomic bombs, factoring in a class period head start.

Task 2: Simulate the readiness of bombers by configuring YAML files for deployment within the OpenRA game environment. Evaluate their capacity for nuclear payload delivery.

Develop Strategic Bombers Based on the following 3 snippets:

1) M65 2) B-29 3) Atomic

atomicweapons.yaml YAML File:

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Include two nuclear warheads:

Mark4 # US mass-produced atomic bomb

RDS-1 # Soviet mass-produced atomic bomb

aircraft.yaml File:

Include three strategic bombers:

B-29 # U.S. long-range bomber 357 mph

Tu-4 # Soviet long-range bomber 347 mph

ValiantB.1 # U.K. high-speed bomber 640 mph

An estimated timeline for when peer teams (other class groups) will achieve similar delivery capabilities, assuming a period of head start.

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Parameters:

Collaboration: Group effort is essential to mimic Soviet resource sharing and teamwork under pressure.

Deliverables: YAML files must compile and function in OpenRA without errors.

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Evaluation Metrics

Code Completion:

Evidence of completed Codecademy modules.

Successful completion of the quiz.

Functionality:

YAML files must function as intended, simulating accurate atomic and aircraft capabilities.

Timeliness:

Groups must estimate a realistic timeline for other teams to match their efforts.

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Security Classification

This operation is TAKE IT TO THE GRAVE/ GO TEAM...ON THREE // KEEP THIS  
IN THE FAMILY.

All materials and outcomes are to remain classified, and dissemination  
is restricted to authorized personnel only.

Authorized by:

Lt. Col. J. J. Boyce

Strategic Planning Division

Intelligence Analysis Office

1949

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