

US Stealth

R FOR:

| ELEMENT | W | T | WT | 003 | 011 | 018 | 025 | 032 | 079 | 095 |
|--|---|---|----|-----|-----|-----|-----|-----|-----|-----|
| <u>B. OBJECTS:</u> | | | | | | | | | | |
| Projections on Aircraft of interest | | | | | | | | | | |
| a. flat | | | | | | | | | | |
| b. tapered | | | | | | | | | | |
| c. thin | | | | | | | | | | |
| d. symmetrical | | | | | | | | | | |
| e. oppositely opposed | | | | | | | | | | |
| f. relatively short (compared to norm) | | | | | | | | | | |
| Skin | | | | | | | | | | |
| a. thinner | | | | | | | | | | |
| b. lighter | | | | | | | | | | |
| c. enhanced qualities | | | | | | | | | | |
| d. sheds heat | | | | | | | | | | |
| e. form alloy with "form" memory | | | | | | | | | | |
| Inside aircraft | | | | | | | | | | |
| a. complex circuitry | | | | | | | | | | |
| b. electrical components | | | | | | | | | | |
| c. regulating mechanisms | | | | | | | | | | |
| d. lots of different colored wire | | | | | | | | | | |

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| <u>C. RELATIONSHIPS:</u> | | | | | | | | | | |
| Aircraft is flown | | | | | | | | | | |
| a. off hours | | | | | | | | | | |
| b. over isolated areas | | | | | | | | | | |
| c. in isolation | | | | | | | | | | |
| d. secretly | | | | | | | | | | |
| Body / wing conformation is changed to enhance performance. | | | | | | | | | | |
| Minimal amount of control surfaces. | | | | | | | | | | |
| control linkages are non standard | | | | | | | | | | |
| a. faster | | | | | | | | | | |
| b. more precise response | | | | | | | | | | |
| c. electro-optical | | | | | | | | | | |
| Novel metallurgy | | | | | | | | | | |
| a. laminates | | | | | | | | | | |
| b. metal bonding | | | | | | | | | | |
| c. high strength | | | | | | | | | | |
| d. low weight | | | | | | | | | | |
| e. flexibility | | | | | | | | | | |
| Design sacrifices some maneuverability for | | | | | | | | | | |
| a. range | | | | | | | | | | |
| b. survivability | | | | | | | | | | |
| c. stability | | | | | | | | | | |
| d. low signatures | | | | | | | | | | |

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| <u>B. OBJECTS:</u> | | | | | | | | | | |
| v. heavy | | | | | | | | | | 1 |
| x metal | | | | | | | | | | 1 |
| y symmetrical | | | | 1 | | | | | | 1 |
| z stripe | | | | | | | | | | 1 |
| wing | | | | | | | | | | 1 |
| a thick | | | | | | | | | | 1 |
| b. welded | | | | | | | | | | 1 |
| c. has rollers | | | | | | | | | | 1 |
| → aa. new | | | | | | | | | | 1 |
| bb modern | | | | | | | | | | 1 |
| cc steel | | | | | | | | | | 1 |
| dd shiny | | | | | | | | | | 1 |
| ee sophisticated | | | | | | | | | | 1 |
| ff beautiful | | | | | | | | | | 1 |
| System (internal component) | | | | | | | | | | 1 |
| a. seeks/searches | | | | | | | | | | 1 |
| b. continuous (not continuous) | | | | | | | | | | 1 |
| c. records on lined paper | | | | | | | | | | 1 |
| d. accurate | | | | | | | | | | 1 |
| e. fast | | | | | | | | | | 1 |
| f. semi circular scan pattern | | | | | | | | | | 1 |

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| <u>C. RELATIONSHIPS:</u> | | | | | | | | | | |
| ^{body of} water is bounded by land on at least 2 sides | | | | 1 | | | | | | |
| land/water/structure interface | | | | 1 | | | | | | |
| vehicles serve supporting function for some wps related system | | | | 1 | | | | | | |
| aircraft overhead | | | | 1 | | | | | | |
| long cylindrical objects are mounted in multiples which | | | | 1 | | | | | | |
| long cylindrical objects can be individually dismounted & remounted | | | | 1 | | | | | | |
| An item of interest is secured & wrapped in a flexible covering like a tarp & carried on a flat bed trailer & must be lifted off with care & cautiously | | | | | | | | | | |
| One item of interest is secured + | | | | 1 | | | | | | |
| a. wrapped in a tarp | | | | 1 | | | | | | |
| b. carried on a flat-bed trailer | | | | 1 | | | | | | |
| c. lifted off cautiously with crane | | | | 1 | | | | | | |
| d. easily damaged / decalibrated | | | | 1 | | | | | | |
| aircraft ^{of int.} is made up of several subcomponents which | | | | 1 | | | | | | |
| a. together allow it to perform its function | | | | 1 | | | | | | |
| b. checked regularly | | | | 1 | | | | | | |
| c. replaced if any doubt of serviceability. | | | | 1 | | | | | | |
| Aircraft functions as the result of an interaction of electronic, mechanical & chemical processes. | | | | 1 | | | | | | |

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| <u>C. RELATIONSHIPS:</u> | | | | 1 | | | | | | |
| Importance/purpose of aircraft is | | | | 1 | | | | | | |
| a. concentrated in front part | | | | 1 | | | | | | |
| b. shielded | | | | 1 | | | | | | |
| c. concealed by sheath/cowling/housing. | | | | 1 | | | | | | |
| Skin has transformed heat | | | | 1 | | | | | | |
| a. shielding internal elements from heat build up | | | | 1 | | | | | | |
| b. maintains as constant a temp inside as possible | | | | 1 | | | | | | |
| Aircraft is different from others | | | | 1 | | | | | | |
| a. flat surfaces where not usually encountered | | | | 1 | | | | | | |
| b. unconventional aerodynamics | | | | 1 | | | | | | |
| c. shorter projections | | | | 1 | | | | | | |
| Aircraft has lots of built in flexibility | | | | 1 | | | | | | |
| a. enhances performance | | | | 1 | | | | | | |
| b. enhances survivability | | | | 1 | | | | | | |
| Entire aircraft is enclosed in something that | | | | 1 | | | | | | |
| a. protects | | | | 1 | | | | | | |
| b. gives it a sense of security | | | | 1 | | | | | | |
| Wing critical to performance | | | | 1 | | | | | 1 | |

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|---------------------------------|---|---|----|-----|-----|-----|-----|-----|-----|-----|
| <u>B. OBJECTS:</u> | | | | | | | | | | |
| Aircraft of interest | | | | | | | | | | |
| a large | | | | | | | | | | |
| b smooth | | | | | | | | | | |
| c rounded | | | | | | | | | | |
| d tapered | | | | | | | | | | |
| e triangular elements | | | | | | | | | | |
| f black | | | | | | | | | | |
| g silvery | | | | | | | | | | |
| h complex | | | | | | | | | | |
| i made of several subcomponents | | | | | | | | | | |
| j air intake | | | | | | | | | | |
| k faceted nose | | | | | | | | | | |
| l front tapered, matte black | | | | | | | | | | |
| m radome | | | | | | | | | | |
| n tungsten | | | | | | | | | | |
| o ferro-silicate | | | | | | | | | | |
| p super critical | | | | | | | | | | |
| q unconventional aerodynamics | | | | | | | | | | |
| r droopy | | | | | | | | | | |
| s built in flexibility | | | | | | | | | | |
| t carries missiles | | | | | | | | | | |
| u non-standard control linkages | | | | | | | | | | |
| v low-signature | | | | | | | | | | |

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| <u>A. FUNCTIONS:</u> | | | | | | | | | | |
| military | | | | 1 | | | | | | |
| organized | | | | 1 | | | | | | |
| assigned | | | | 1 | | | | | | |
| watching | | | | 1 | | | | | | |
| patrolling aircraft | | | | 1 | | | | | | |
| transporting | | | | 1 | | | | | | |
| Aircraft of interest | | | | 1 | | | | | | |
| a. Flies through air for long distances | | | | 1 | | | | | | |
| b. performs specific tasks/missions | | | | 1 | | | | | | |
| c. deals with extremes of speed | | | | 1 | | | | | | |
| Projections on aircraft contribute to | | | | 1 | | | | | | |
| a. controlling | | | | 1 | | | | | | |
| b. guiding | | | | 1 | | | | | | |
| c. lift | | | | 1 | | | | | | |
| Missions of Aircraft | | | | 1 | | | | | | |
| a. intrusion | | | | 1 | | | | | | |
| b. interdiction | | | | 1 | | | | | | |
| c. penetration | | | | 1 | | | | | | |
| d. not high intensity combat against or aircraft | | | | 1 | | | | | | |
| e. seek/search | | | | 1 | | | | | | |

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| <u>B. OBJECTS:</u> | | | | | | | | | | |
| 1. Land | | | | | | | | | | |
| a. arid, sandy, warm | | | | | | | | | | |
| b. unsettled | | | | | | | | | | |
| 2. water | | | | | | | | | | |
| 3. structure | | | | | | | | | | |
| a. metal | | | | | | | | | | |
| b. large | | | | | | | | | | |
| c. grey | | | | | | | | | | |
| 4. People | | | | | | | | | | |
| 5. uniforms | | | | | | | | | | |
| 6. vehicles | | | | | | | | | | |
| 7. trailers | | | | | | | | | | |
| 8. antennas | | | | | | | | | | |
| 9. cables | | | | | | | | | | |
| 10. electronics | | | | | | | | | | |
| 11. aircraft | | | | | | | | | | |
| 12. tracked vehicles | | | | | | | | | | |
| 13. long cylindrical objects | | | | | | | | | | |
| 14. Flat bed trailers | | | | | | | | | | |