



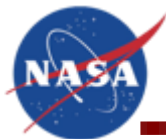
National Aeronautics and Space Administration



UAS in the NAS Flight Test Series 3 Configuration 1 Sortie Summary



8 September 2015



Sortie Summary Preface



- Each test point has particular name
 - Nomenclature slide included in this brief
 - Example: 18_L12A

18	Scenario Number 18
L	Low-speed players
1	1000 ft vertical separation
2	Ownship flying level – intruder higher level (flying)
A	Angle of intruder into ownship is 0°

- Test points not conducted (for that day) blocked out in **BLUE**
- Test points are geometries achieved; not shown in actual flight order



Configuration 1 Nomenclature



[Series] [Min Altitude Offset] [Vertical Profile] [Encounter Angle]

- Series
 - L = Low Speed
 - H = High Speed
 - M = Multiship
- Minimum Altitude Offset
 - 1 = 1000 ft
 - 2 = 200 ft / 700 ft
 - 3 = 300 ft
 - 4 = 400 ft
 - 5 = 500 ft
 - 6 = 300 ft / 700 ft
 - 7 = 400 ft / 500 ft
 - 8 = 2500 ft
 - 9 = 4000 ft
- Vertical Profile (Ownship / Intruder)
 - 1 = H-Level / Level
 - 2 = Level / H-Level
 - 3 = Level / Climb
 - 4 = Level / Descent
 - 5 = Climb / Level
 - 6 = Descent / Level
 - 7 = Climb/Descent
 - 8 = Descent/Climb
 - 9 = Level / H-Level / L-Level
- Encounter Angle
 - A = 0 degrees
 - B = 20 degrees
 - C = 45 degrees
 - D = 90 degrees
 - E = 110 degrees
 - F = 135 degrees
 - G = 160 degrees
 - H = 180 degrees
 - J = -45 degrees
 - K = -90 degrees
 - L = -135 degrees
 - M = Turning 45 degrees
 - N = Turning 90 degrees
 - P = Zig-Zag
 - Q = 0 / 0
 - R = 0 / 45
 - S = 0 / 90
 - T = 0 / 135
 - U = 20 / -20
 - V = 45 / 90
 - W = 90 / 135
 - X = Turning 45 degrees / 180 degrees



Configuration 1 Sortie Summary



	JADEM/AutoResolver			CPDS		Stratway+			High Speed Intruder Stratway+	AutoResolver	CPDS	High Speed Ownship AutoResolver
	1	2	3	4	5	6	7	8	9	10	11	12
	17-Jun	18-Jun	22-Jun	24-Jun	26-Jun	7-Jul	9-Jul	10-Jul	21-Jul	22-Jul	24-Jul	27-Aug
	W	Th	M	W	F	Tu	Th	F	Tu	W	F	Th
1	18 - L12A	31 - L32C	61 - L12E	137 - L53C	108 - L12A (2)	25 - L53C	22 - L55C	8 - M59Q	72 - H42A	61 - L12E	110 - L12A	83 - H12A
2	19 - L52A	51 - L32D	41 - L12M	137 - L53C	107 - L12A (1)	46 - L53D	43 - L55D	8 - M59Q	72 - H42A	41 - L12M	109 - L12A	85 - H12A
3	20 - L32A	10 - L13A	63 - L12N	146 - L54D	112 - L11A (2)	68 - L53F	65 - L55F	28 - M59V	73 - H42C	63 - L12N	114 - L11A	91 - H12C
4	29 - L12C	32 - L13C	13 - L14A	146 - L54D	111 - L11A (1)	26 - L54C	24 - L57C	28 - M59V	73 - H42C	13 - L14A	113 - L11A	93 - H12C
5	30 - L52C	52 - L13D	35 - L14C	140 - L55A	164 - L42M	47 - L54D	45 - L57D	71 - M59W	74 - H42D	35 - L14C	159 - L57D	99 - H12D
6	31 - L32C	16 - L16A	55 - L14D	140 - L55A	165 - L52M (1)	69 - L54F	67 - L57F	71 - M59W	74 - H42D	55 - L14D	130 - L32D	101 - H12D
7	49 - L12D	38 - L16C	15 - L15A	151 - L56F	166 - L52M (2)	5 - L56A	7 - L57A	9 - M59U	75 - H42F	15 - L15A	131 - L32F	84 - H12A
8	50 - L52D	58 - L16D	37 - L15C	151 - L56F	167 - L52M (3)	6 - L56B	3 - L55A	27 - M59R	75 - H42F	37 - L15C	152 - L32B	86 - H12A
9	51 - L32D	14 - L15A	57 - L15D	115 - L32G (110)	168 - L52M (4)	23 - L56C	4 - L55B	48 - M59S	76 - M59R	57 - L15D	153 - L32G	92 - H12C
10	60 - L12E	36 - L15C	11 - L13A	121 - L32G (90)	169 - M79X (1)	44 - L56D	21 - L42C	70 - M59T	76 - M59R	11 - L13A	154 - L32H	94 - H12C
11	40 - L12M	56 - L15D	33 - L13C	117 - L53G (110)	170 - M79X (2)	66 - L56F	42 - L42D	9 - M59U	77 - M59S	33 - L13C	155 - L31B	100 - H12D
12	62 - L12N	10 - L13A	53 - L13D	124 - L55G (90)	171 - M79X (3)	1 - L42A	64 - L42F	27 - M59R	77 - M59S	53 - L13D	156 - L31G	102 - H12D
13	12 - L14A	32 - L13C	17 - L16A	159 - L57D	160 - M67Q	2 - L42B	26 - L54C	48 - M59S	78 - M59T	17 - L16A	157 - L31H	103 - H12H
14	34 - L14C	52 - L13D	39 - L16C	159 - L57D	162 - M27Q	21 - L42C	47 - L54D	70 - M59T	78 - M59T	39 - L16C	168 - L52M	105 - H12H
15	54 - L14D	16 - L16A	59 - L16D	128 - L32A	162 - M27Q	42 - L42D	22 - L55C	63 - L12N	23 - L56C	59 - L16D	164 - L42M	
16	61 - L12E	38 - L16C	61 - L12E	128 - L32A	161 - M68Q	64 - L42F	43 - L55D	63 - L12N	44 - L56D	18 - L12A	127 - L92P	
17	41 - L12M	58 - L16D	41 - L12M	129 - L32C	163 - M28Q	20 - L32A	65 - L55F	31 - L32C	66 - L56F	29 - L12C	116 - L31G	
18	63 - L12N	12 - L14A	63 - L12N	129 - L32C	163 - M28Q	31 - L32C	24 - L57C	51 - L32D	31 - L32C	49 - L12D	119 - L54G	
19	13 - L14A	34 - L14C	13 - L14A	130 - L32D	132 - L31A	51 - L32D	45 - L57D	23 - L56C	51 - L32D	18 - L12A	158 - L57A	
20	35 - L14C	54 - L14D	35 - L14C	130 - L32D	132 - L31A	68 - L53F	67 - L57F	44 - L56D		29 - L12C	133 - L31C	
21	55 - L14D	60 - L12E	55 - L14D	131 - L32F	155 - L31B	69 - L54F	25 - L53C	66 - L56F		49 - L12D	134 - L31D	
22	61 - L12E	40 - L12M	15 - L15A	131 - L32F	155 - L31B	23 - L56C	46 - L53D	122 - L31G (90)			135 - L31F	
23	41 - L12M	62 - L12N	37 - L15C	152 - L32B	156 - L31G	44 - L56D	119 - L54G (110)	125 - L54G (90)			120 - L56G	
24	63 - L12N	14 - L15A	57 - L15D	152 - L32B	156 - L31G	66 - L56F	118 - L55G (110)	116 - L31G (110)			123 - L53G	
25	13 - L14A	36 - L15C	11 - L13A	153 - L32G	157 - L31H	3 - L55A	120 - L56G (110)				126 - L56G	
26	35 - L14C	56 - L15D	33 - L13C	153 - L32G	157 - L31H	4 - L55B	123 - L53G (90)				118 - L55G	
27	55 - L14D		53 - L13D	154 - L32H		22 - L55C	126 - L56G (90)					
28			17 - L16A	154 - L32H		43 - L55D						
29			39 - L16C			65 - L55F						
30			59 - L16D			125 - L54G (90)						
31						116 - L31G (110)						
32						122 - L31G (90)						

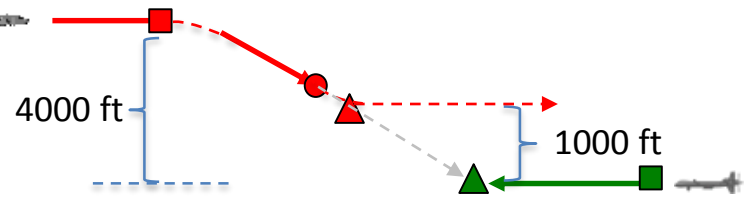
Priority 1 2 3 4

Flight 1

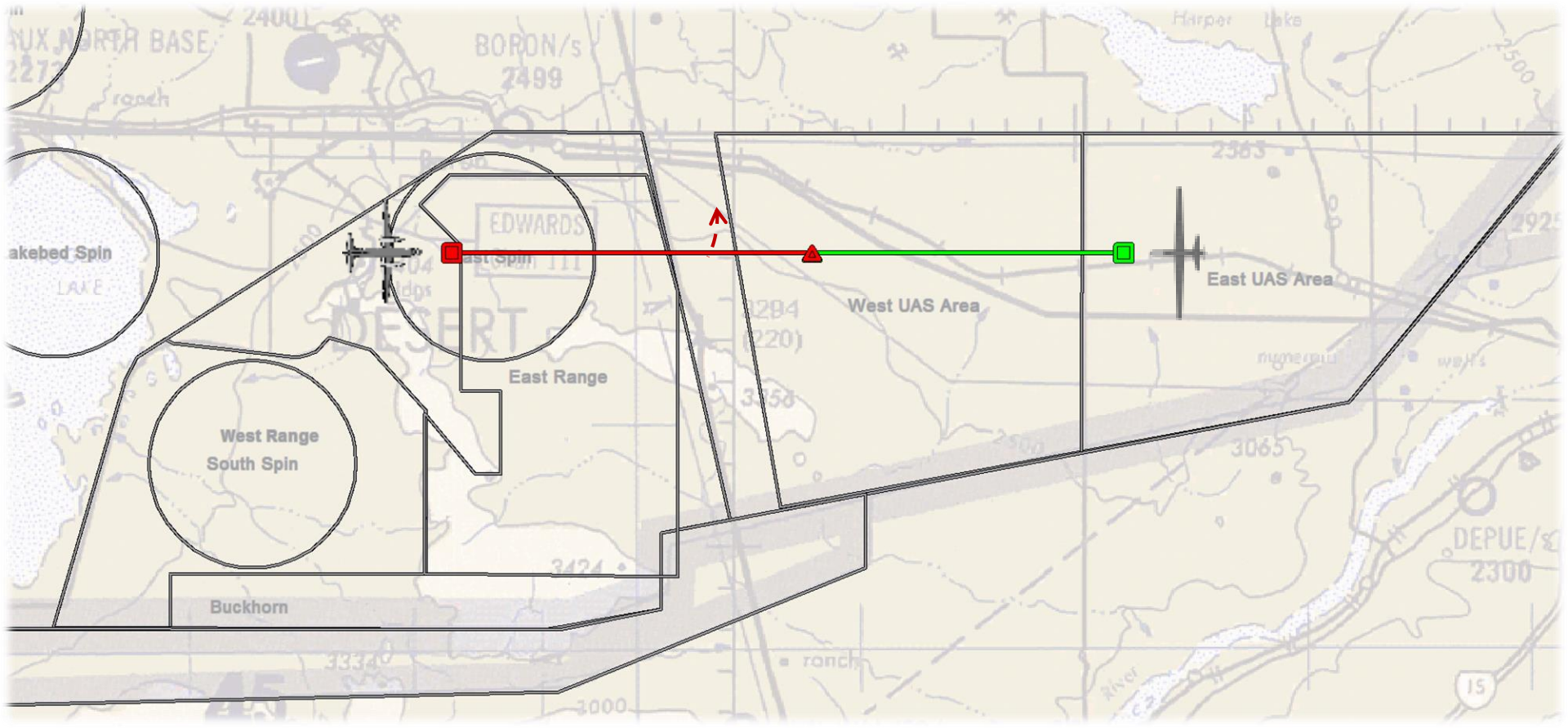
Card #	Scenario	Priority	Configuraton	Ownship Manuever	Intruder	Notes
X	Altimeter Calibration				N3GC	
1	18 - L12A	1	AR 1	None - Fly Through	N3GC	IP 16-CPA 7
2	19 - L52A	1		None - Fly Through	N3GC	IP 16-CPA 7
3	20 - L32A	1		None - Fly Through	N3GC	IP 16-CPA 7
4	29 - L12C	1		None - Fly Through	N3GC	IP 16-CPA 7
5	30 - L52C	1		None - Fly Through	N3GC	IP 16-CPA 7
		1		None - Fly Through	N3GC	IP 16-CPA 7
7	49 - L12D	1		None - Fly Through	N3GC	IP 1 - CPA 5
8	50 - L52D	1	XML File Change	None - Fly Through	N3GC	IP 1 - CPA 5
		1		None - Fly Through	N3GC	IP 1 - CPA 5
10	60 - L12E	1		None - Fly Through	N3GC	IP 1 - CPA 5
11	40 - L12M	1		None - Fly Through	N3GC	IP 15 - CPA 7
12	62 - L12N	1		None - Fly Through	N3GC	IP 14 - CPA 7
13	12 - L14A	1		None - Fly Through	N3GC	IP 16 - CPA 7
14	34 - L14C	1		None - Fly Through	N3GC	IP 16 - CPA 7
15	54 - L14D	1	AR 1	None - Fly Through	N3GC	IP 1 - CPA 5
		2		Follow Autoreslover Guidance	N3GC	IP 1 - CPA 5
		2		Follow Autoreslover Guidance	N3GC	IP 15 - CPA 7
		2		Follow Autoreslover Guidance	N3GC	IP 14 - CPA 7
		2		Follow Autoreslover Guidance	N3GC	IP 16 - CPA 7
		2		Follow Autoreslover Guidance	N3GC	IP 16 - CPA 7
		2		Follow Autoreslover Guidance	N3GC	IP 1 - CPA 5
		2	AR 2	Follow Autoreslover Guidance	N3GC	IP 1 - CPA 5
		2		Follow Autoreslover Guidance	N3GC	IP 15 - CPA 7
		2		Follow Autoreslover Guidance	N3GC	IP 14 - CPA 7
		2		Follow Autoreslover Guidance	N3GC	IP 16 - CPA 7
		2		Follow Autoreslover Guidance	N3GC	IP 16 - CPA 7
		2		Follow Autoreslover Guidance	N3GC	IP 1 - CPA 5

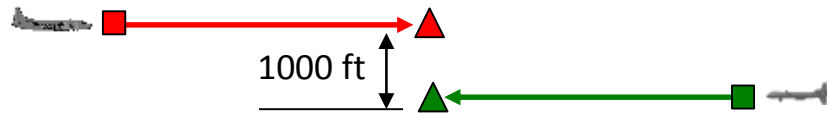
Flight 1

AutoResolver

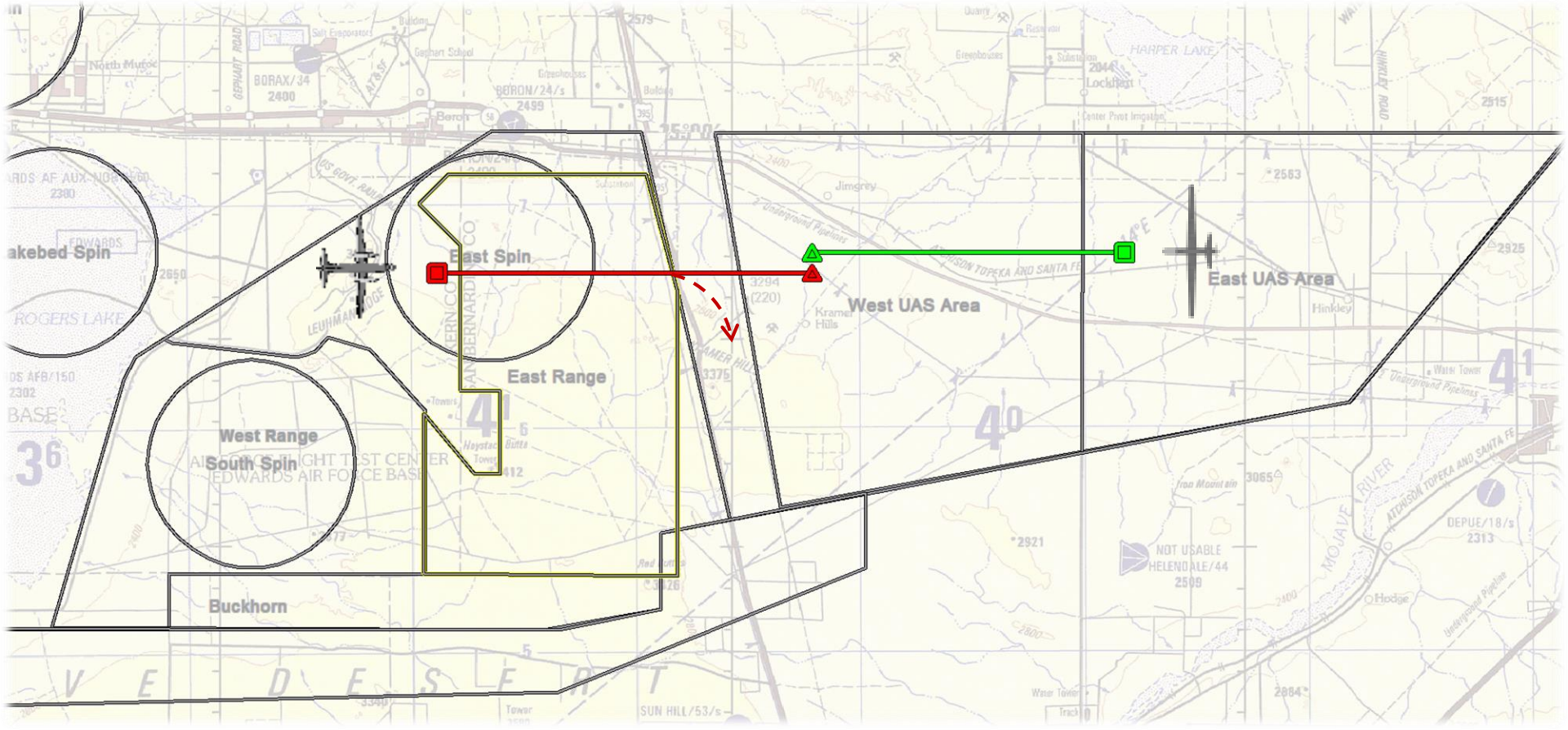


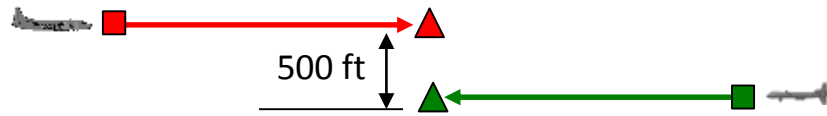
12_L14A



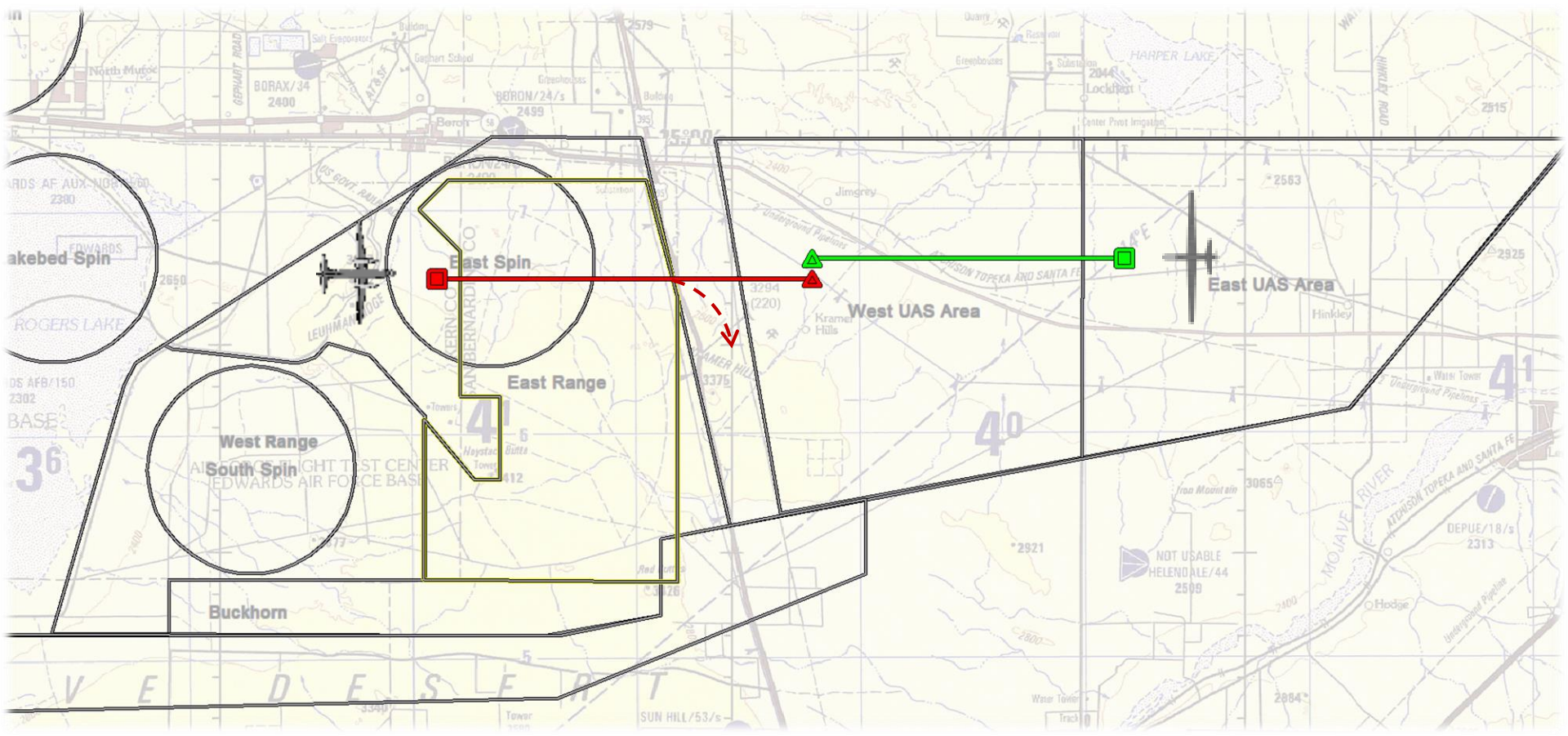


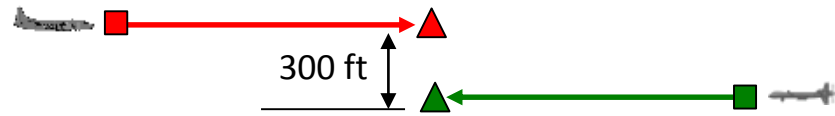
18_L12A



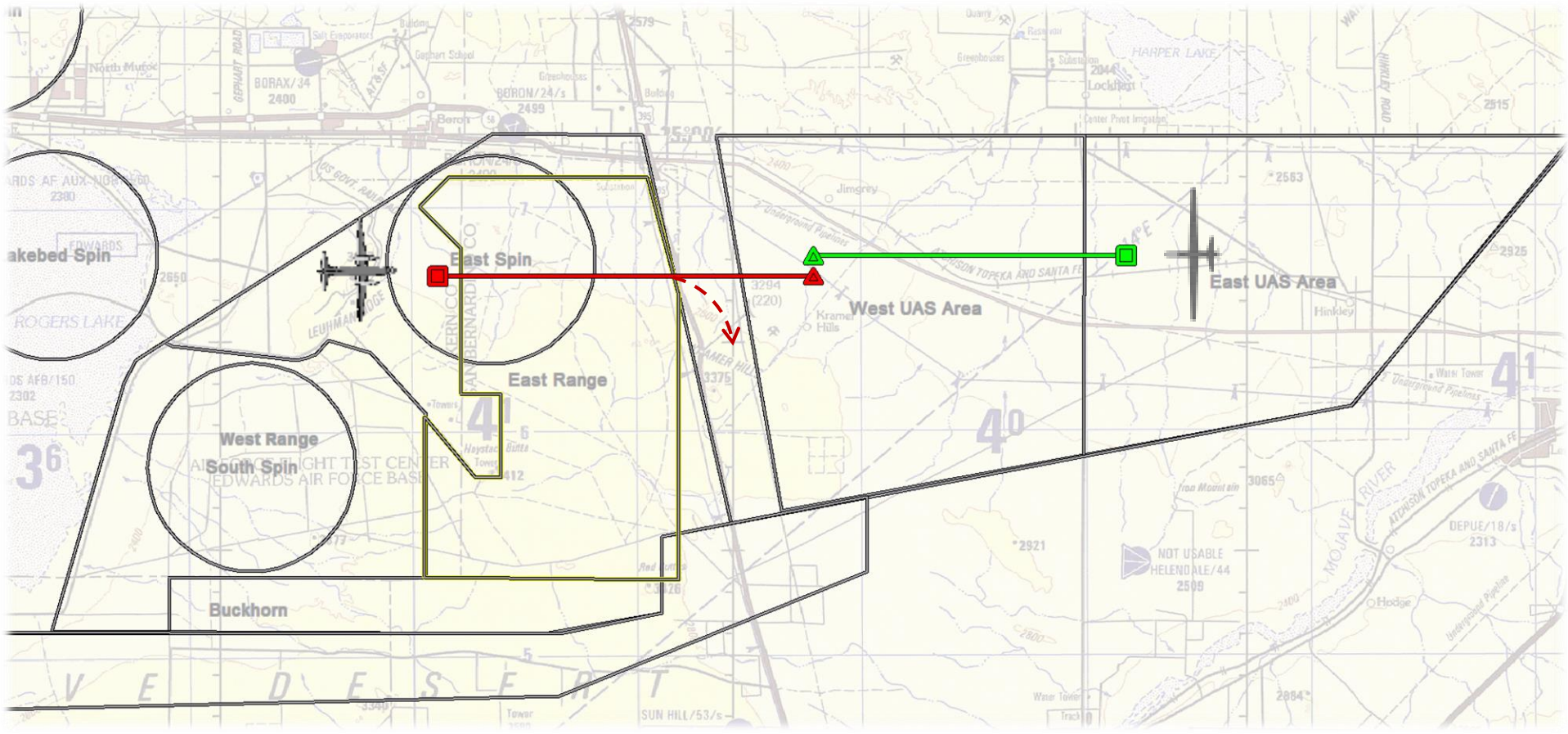


19_L52A



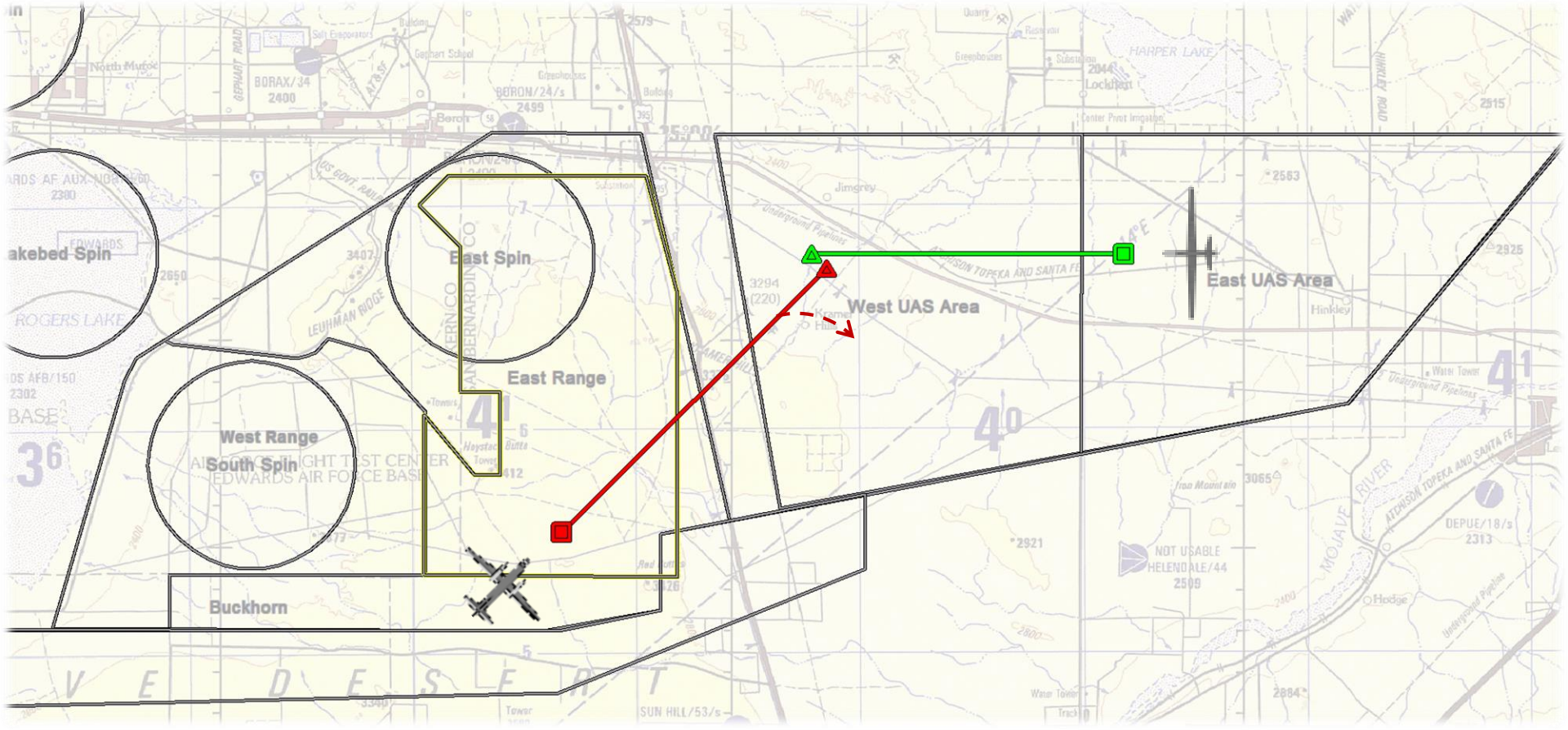


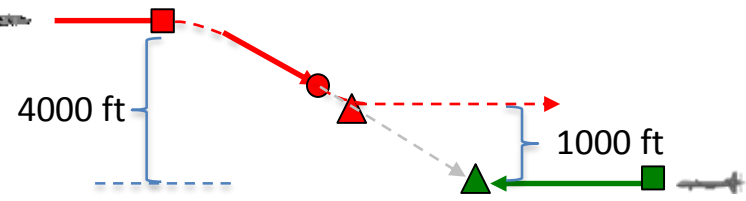
20_L32A



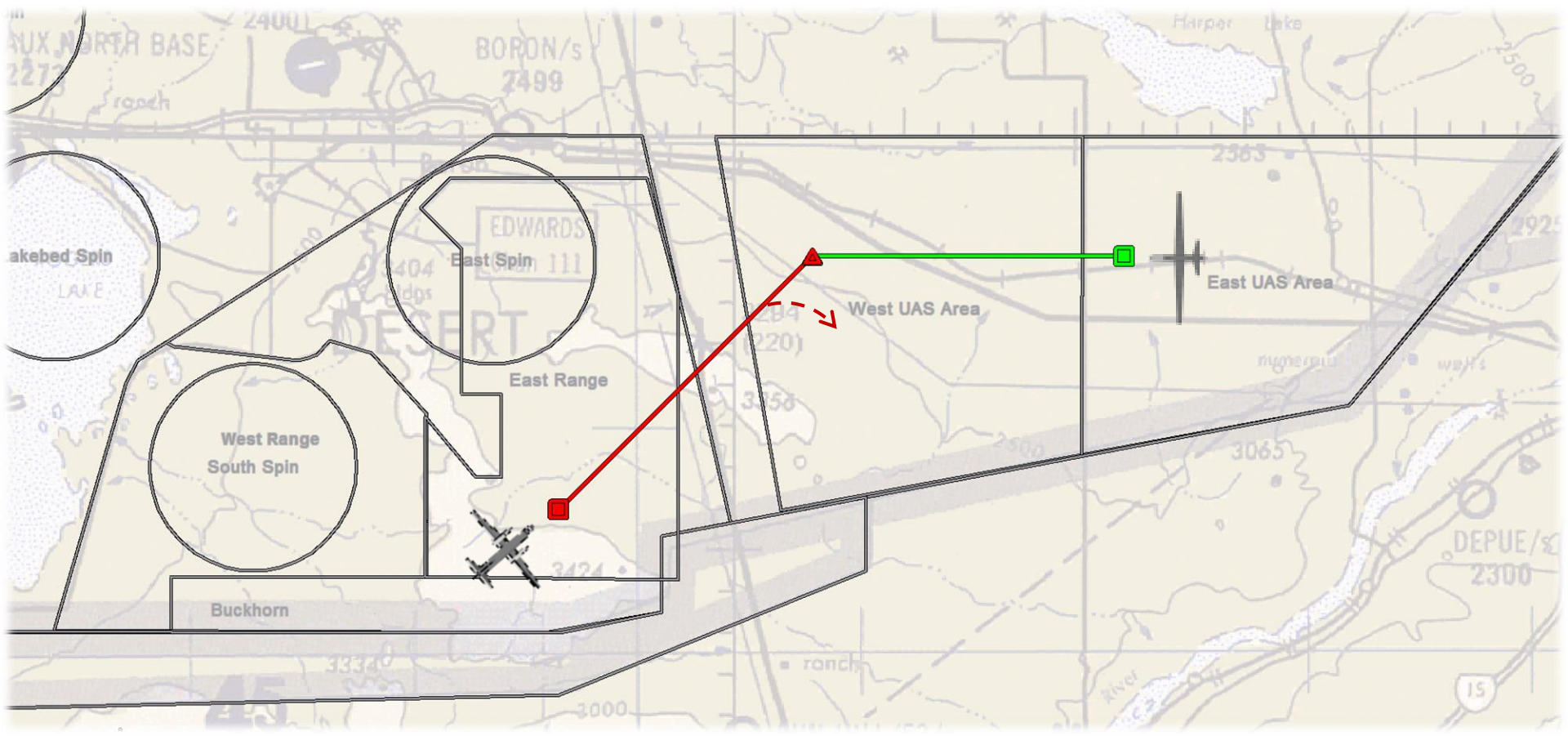


30_L52C



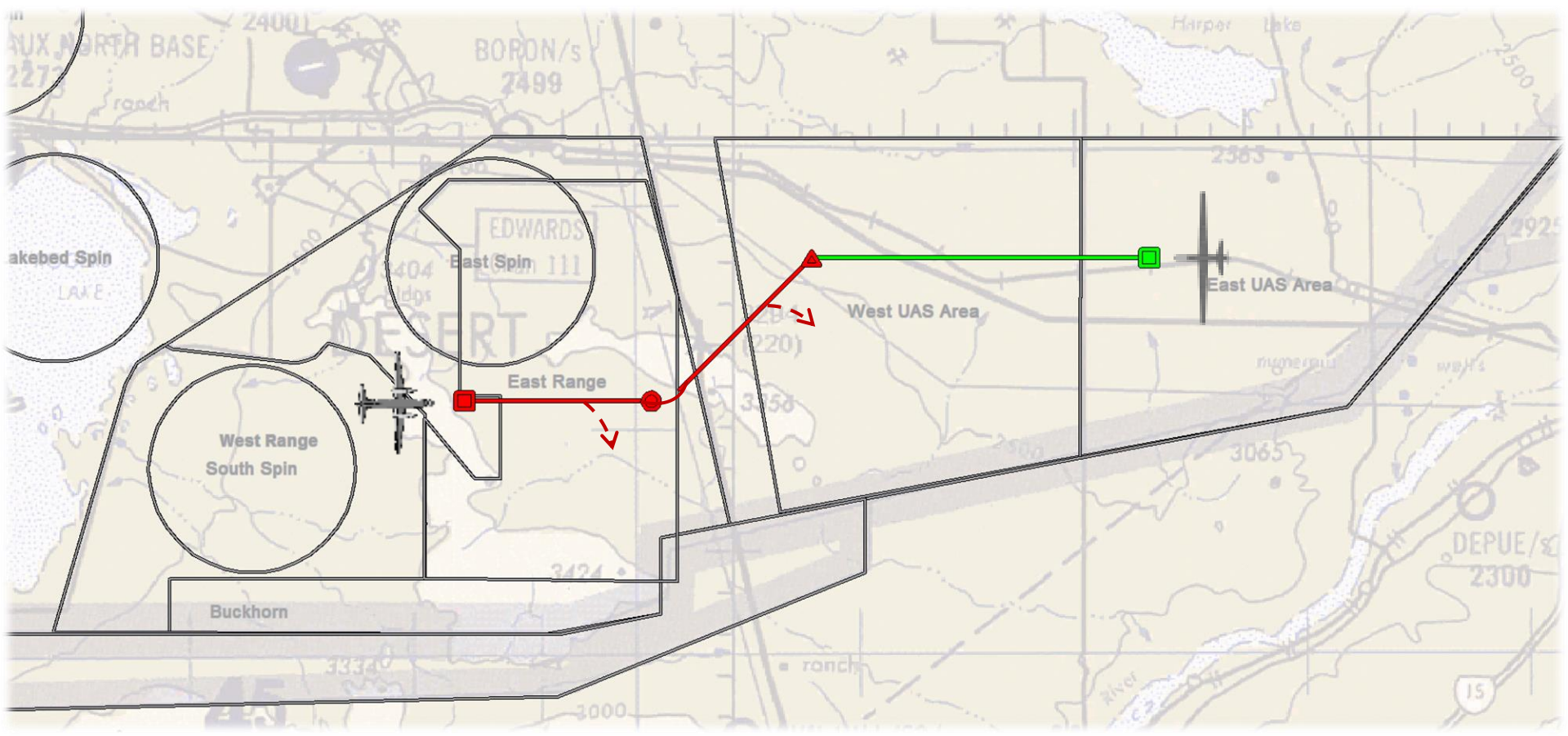


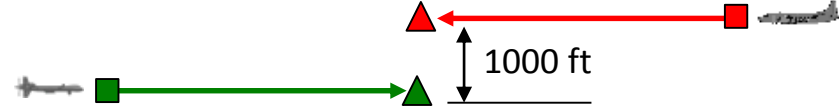
34_L14C



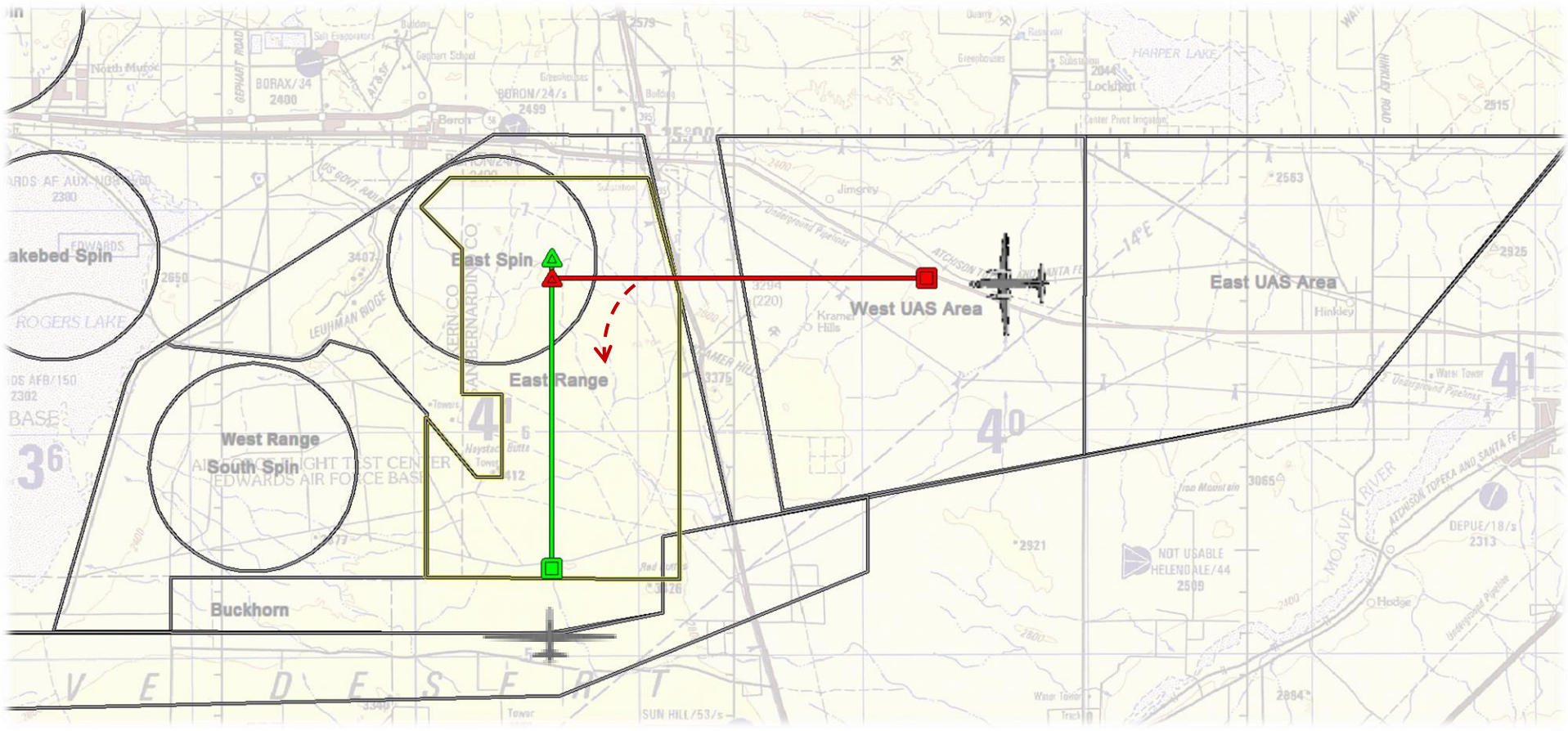


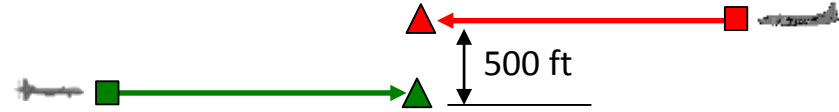
40_L12M



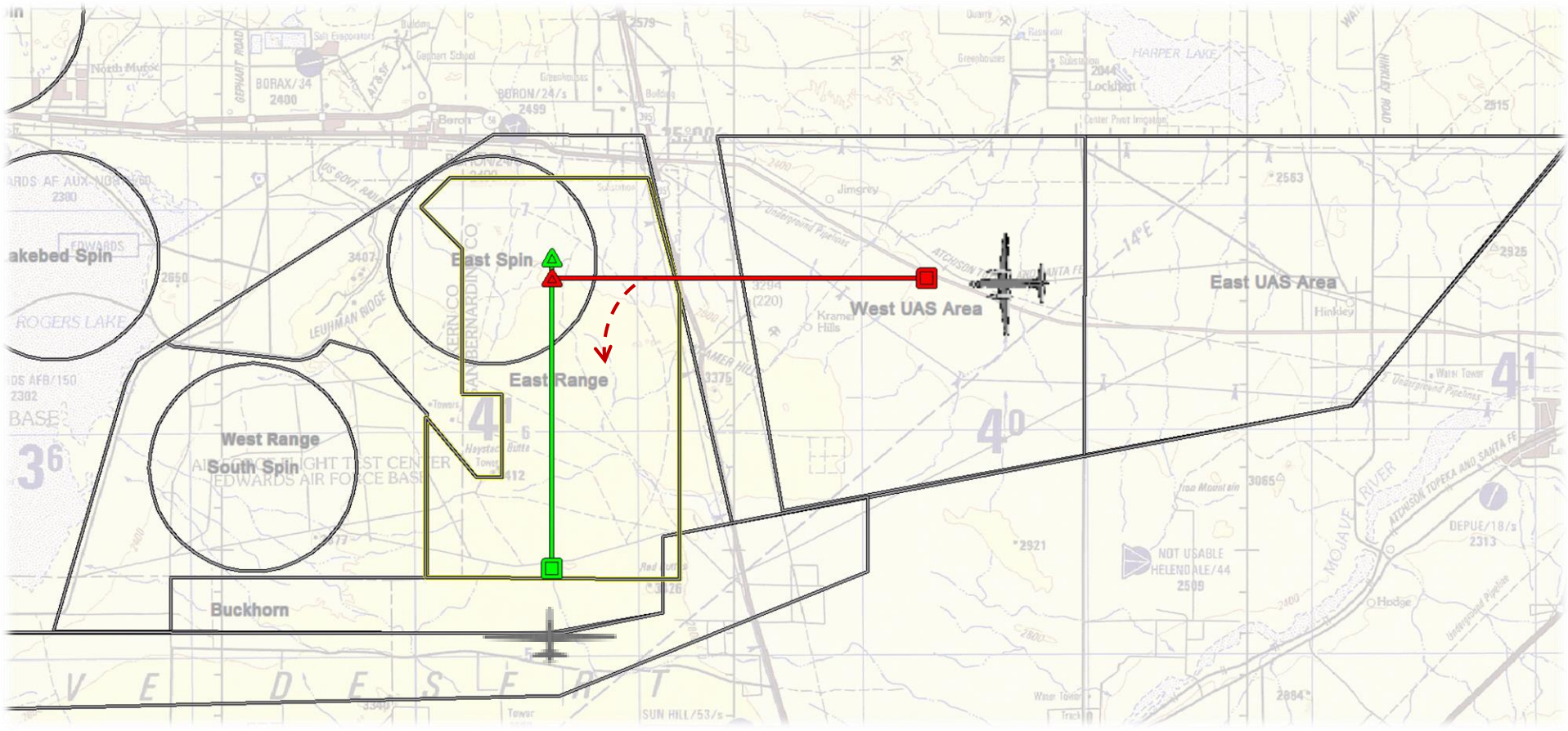


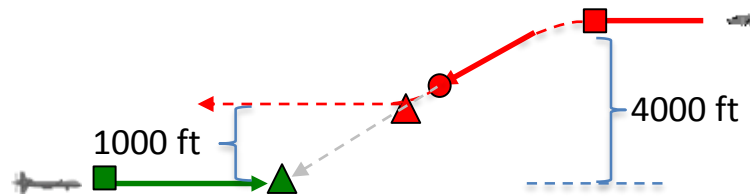
49_L12D



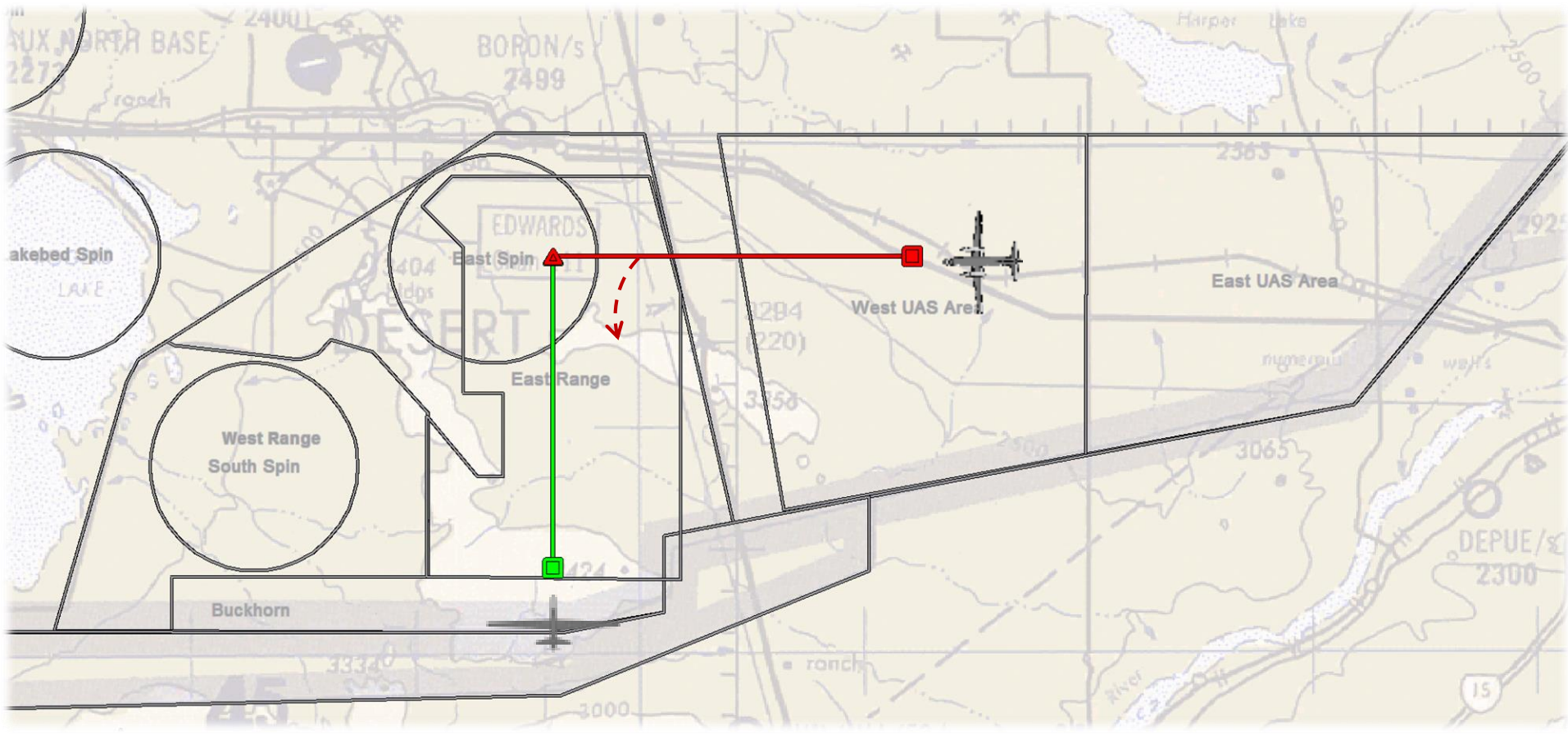


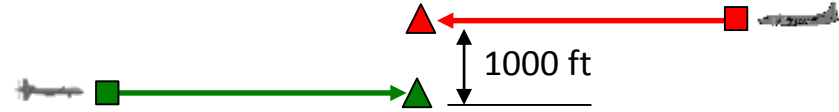
50_L52D



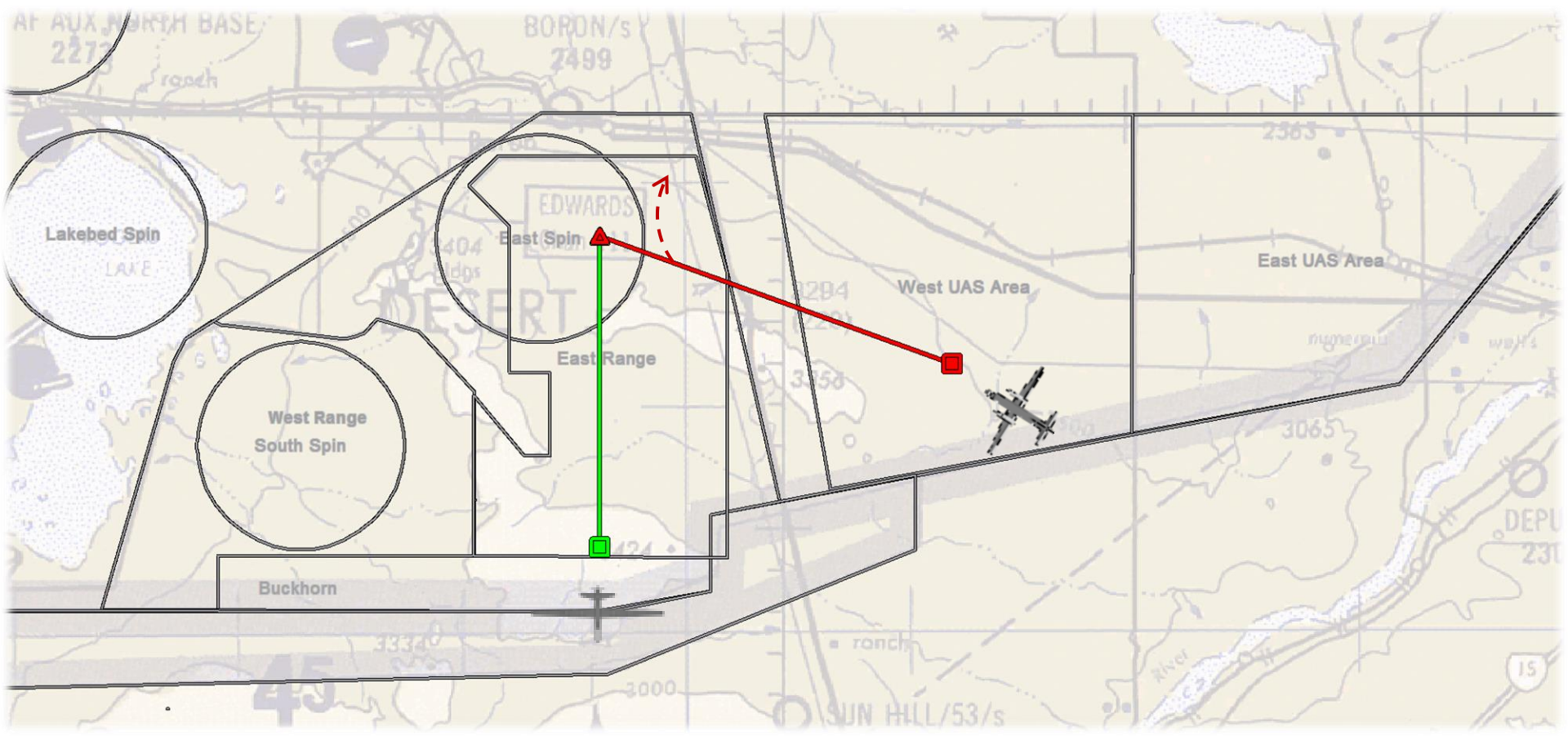


54_L14D



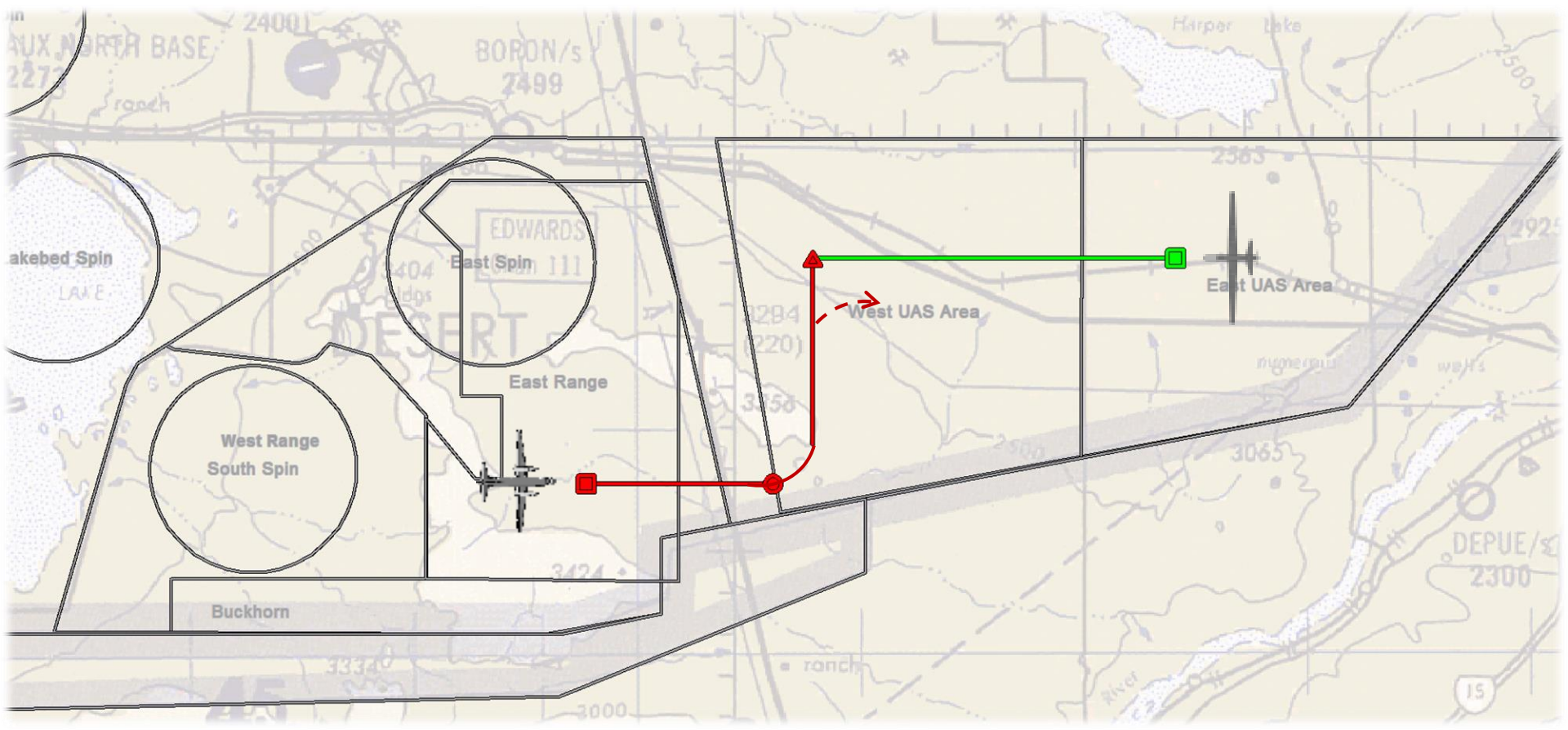


60_L12E





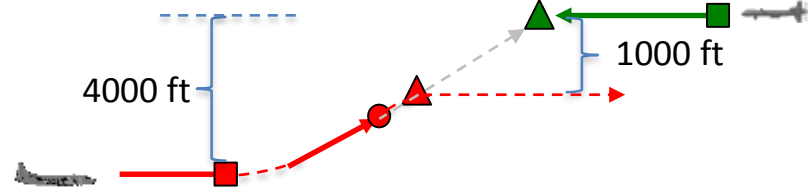
62_L12N



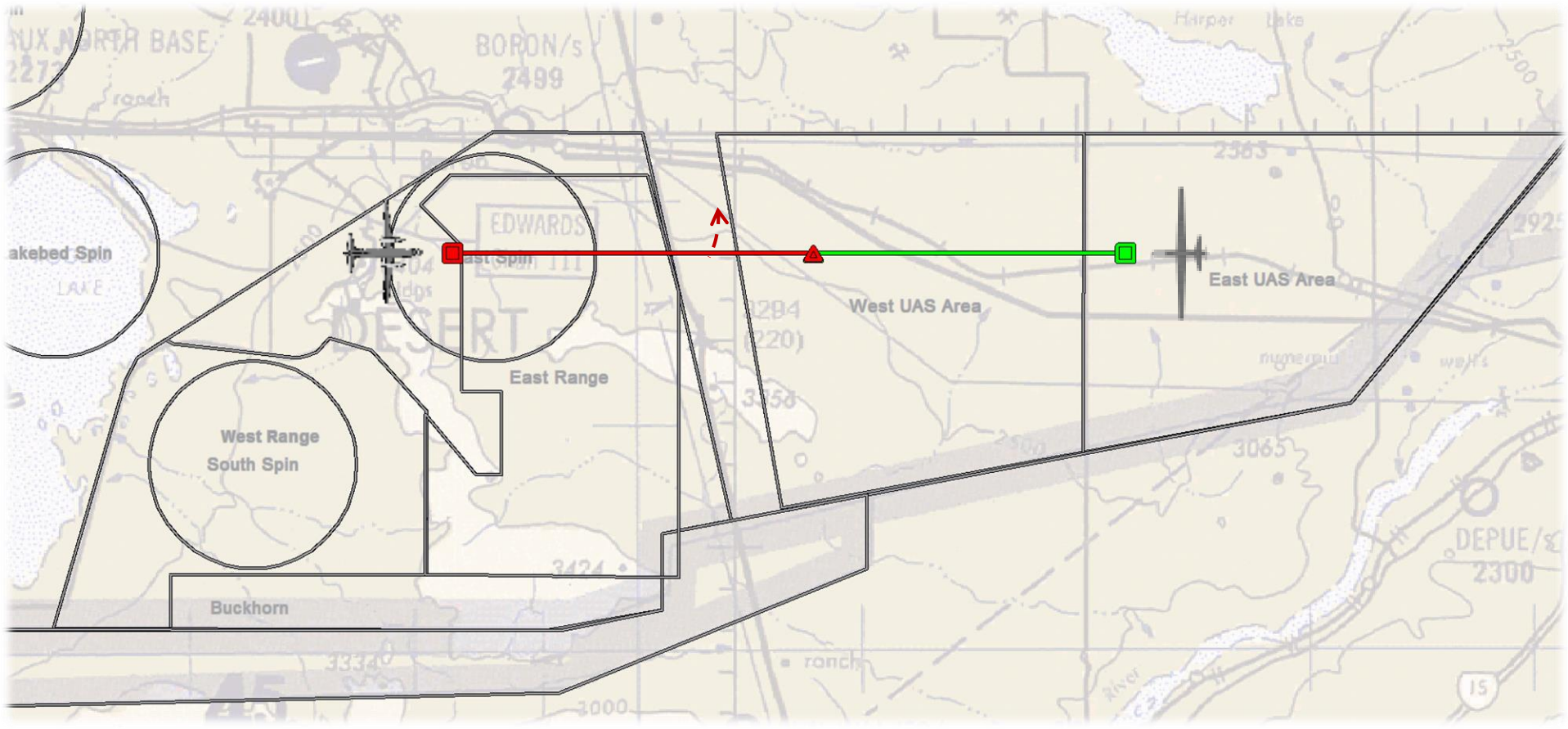
Flight 2

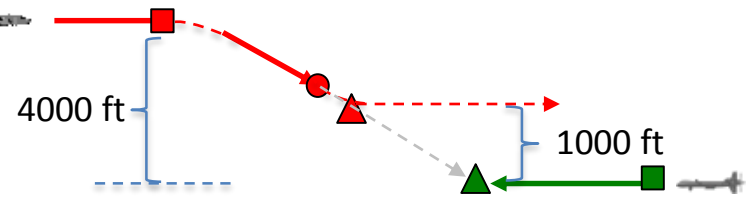
AutoResolver

Card #	Scenario	Priority	Configuraton	Ownship	Manuever	Intruder	Notes
X	Altimeter Calibration					N3GC	
1	31 - L32C	1			None - Fly Through	N3GC	Artificial Offset
2	51 - L32D	1	XML Change		None - Fly Through	N3GC	
3	10 - L13A	1			None - Fly Through	N3GC	
4	32 - L13C	1			None - Fly Through	N3GC	
5	52 - L13D	1			None - Fly Through	N3GC	
6	16 - L16A	1			None - Fly Through	N3GC	
7	38 - L16C	1			None - Fly Through	N3GC	
8	58 - L16D	1	XML Change		None - Fly Through	N3GC	
9	14 - L15A	1			None - Fly Through	N3GC	
10	36 - L15C	1			None - Fly Through	N3GC	
11	56 - L15D	1	AR 2 /XML		None - Fly Through	N3GC	
12	10 - L13A	4			None - Fly Through	N3GC	
13	32 - L13C	4			None - Fly Through	N3GC	
14	52 - L13D	4			None - Fly Through	N3GC	
15	16 - L16A	4			None - Fly Through	N3GC	
16	38 - L16C	4			None - Fly Through	N3GC	
17	58 - L16D	4	XML Change		None - Fly Through	N3GC	
18	12 - L14A	4			None - Fly Through	N3GC	
19	34 - L14C	4			None - Fly Through	N3GC	
20	54 - L14D	4			None - Fly Through	N3GC	
21	60 - L12E	4			None - Fly Through	N3GC	
22	40 - L12M	4			None - Fly Through	N3GC	
		4			None - Fly Through	N3GC	
		4			None - Fly Through	N3GC	
		4			None - Fly Through	N3GC	
		4			None - Fly Through	N3GC	

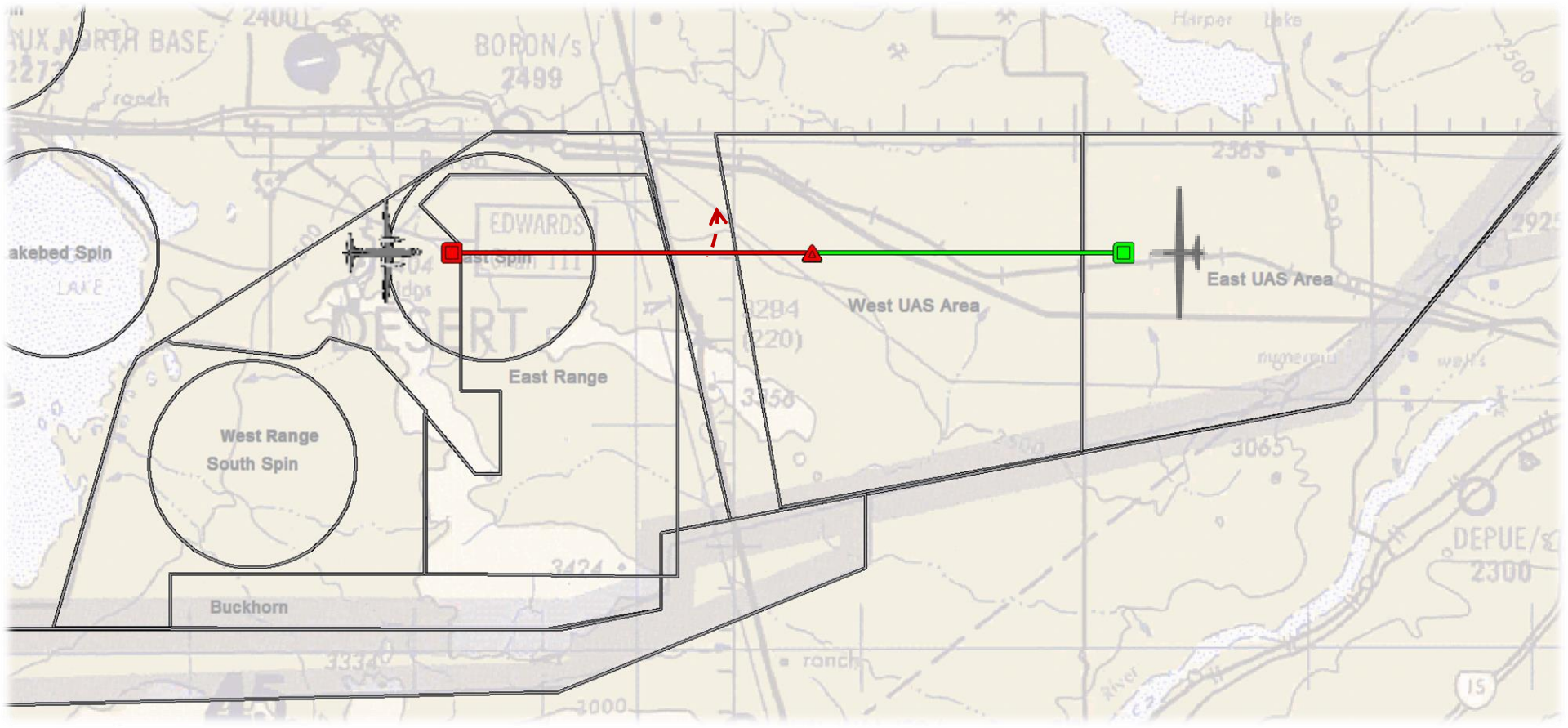


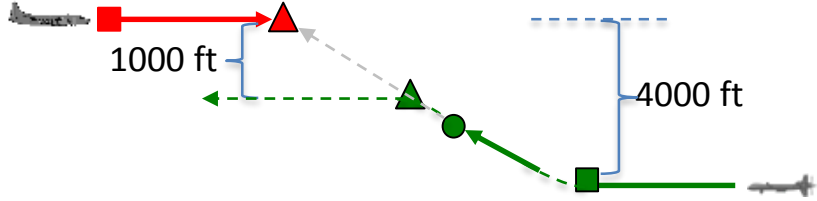
10_L13A



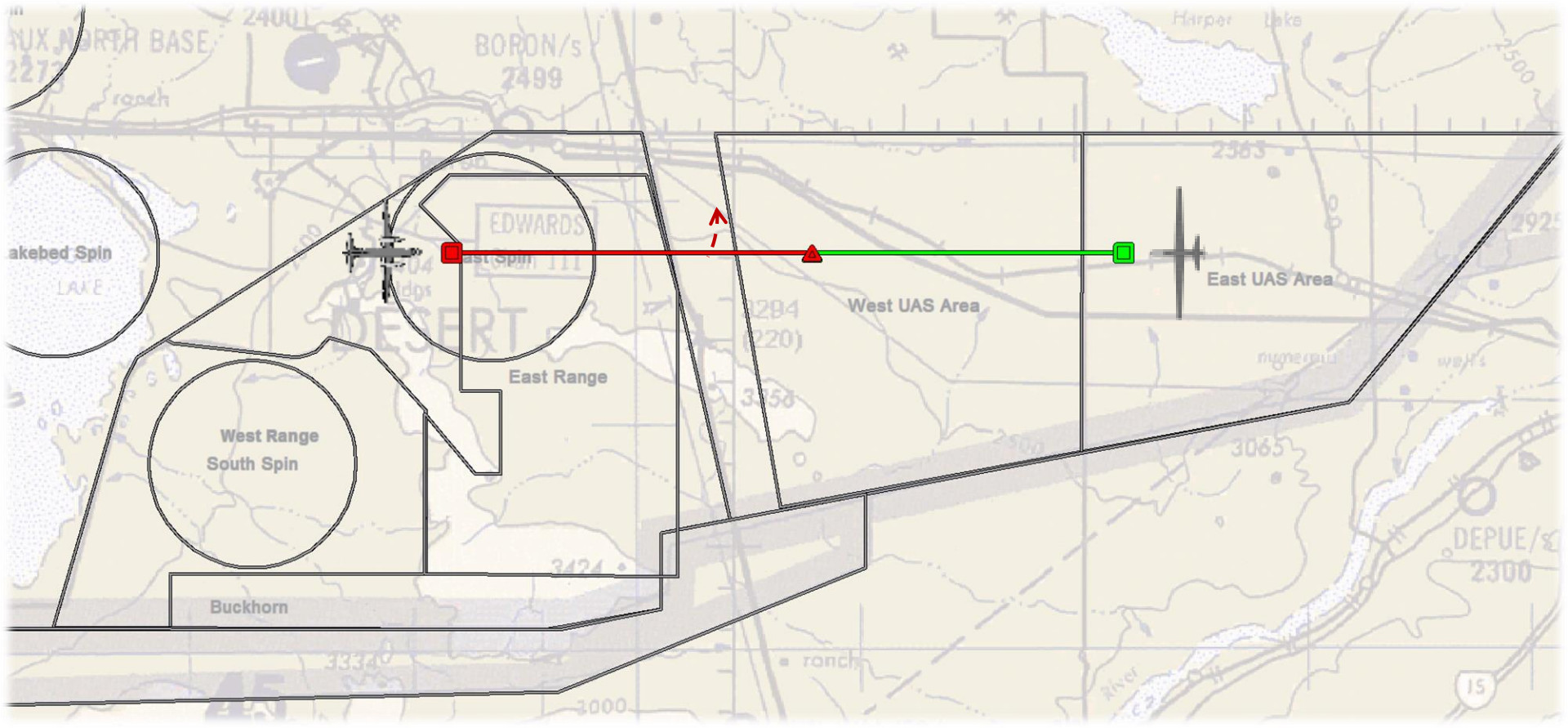


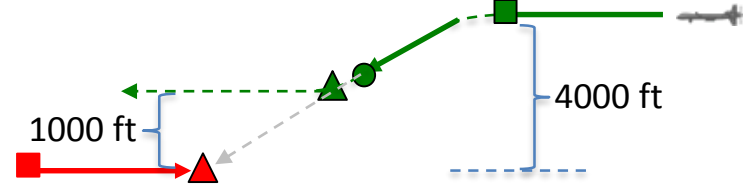
12_L14A



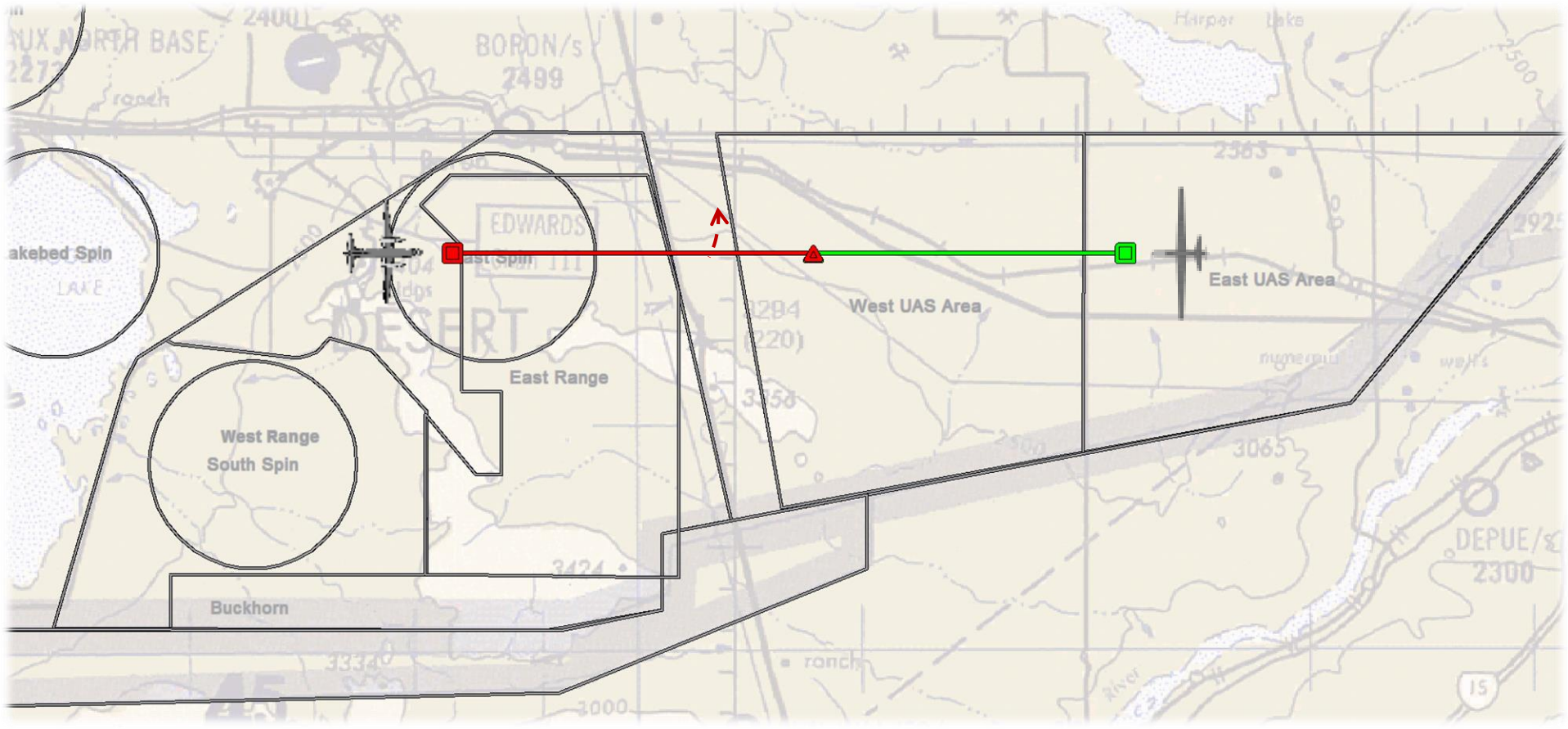


14_L15A



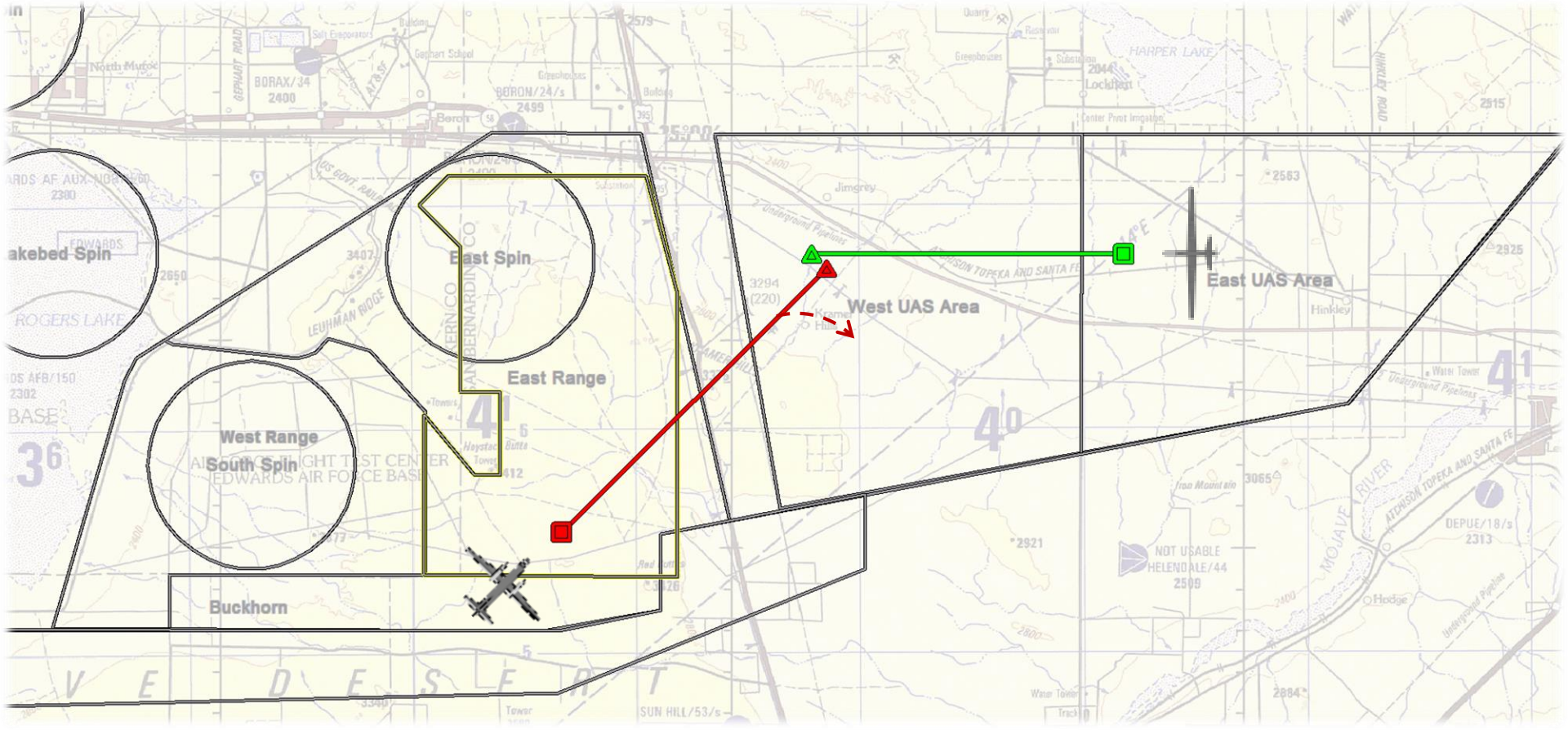


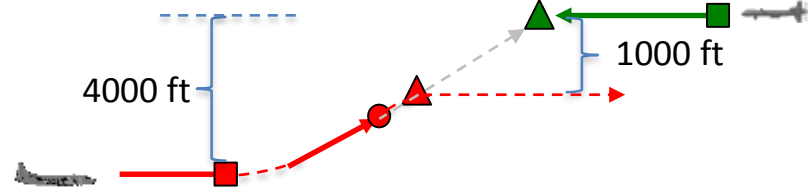
16_L16A



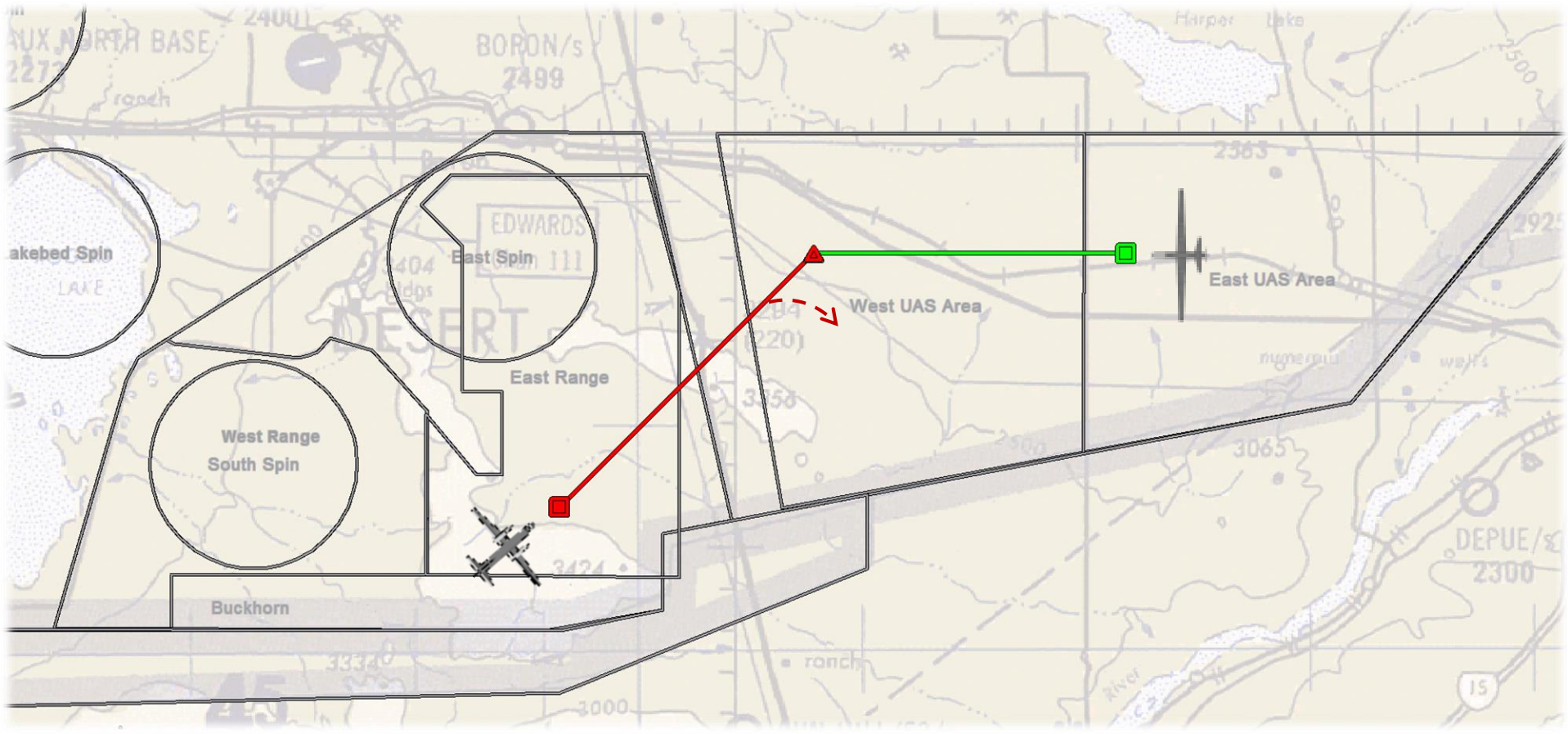


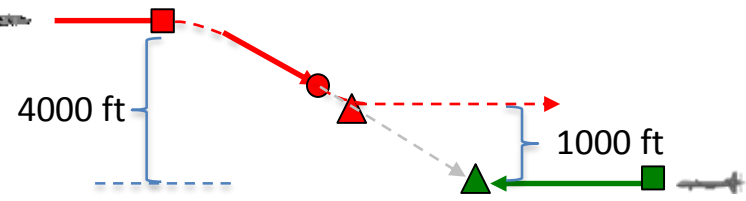
31_L32C



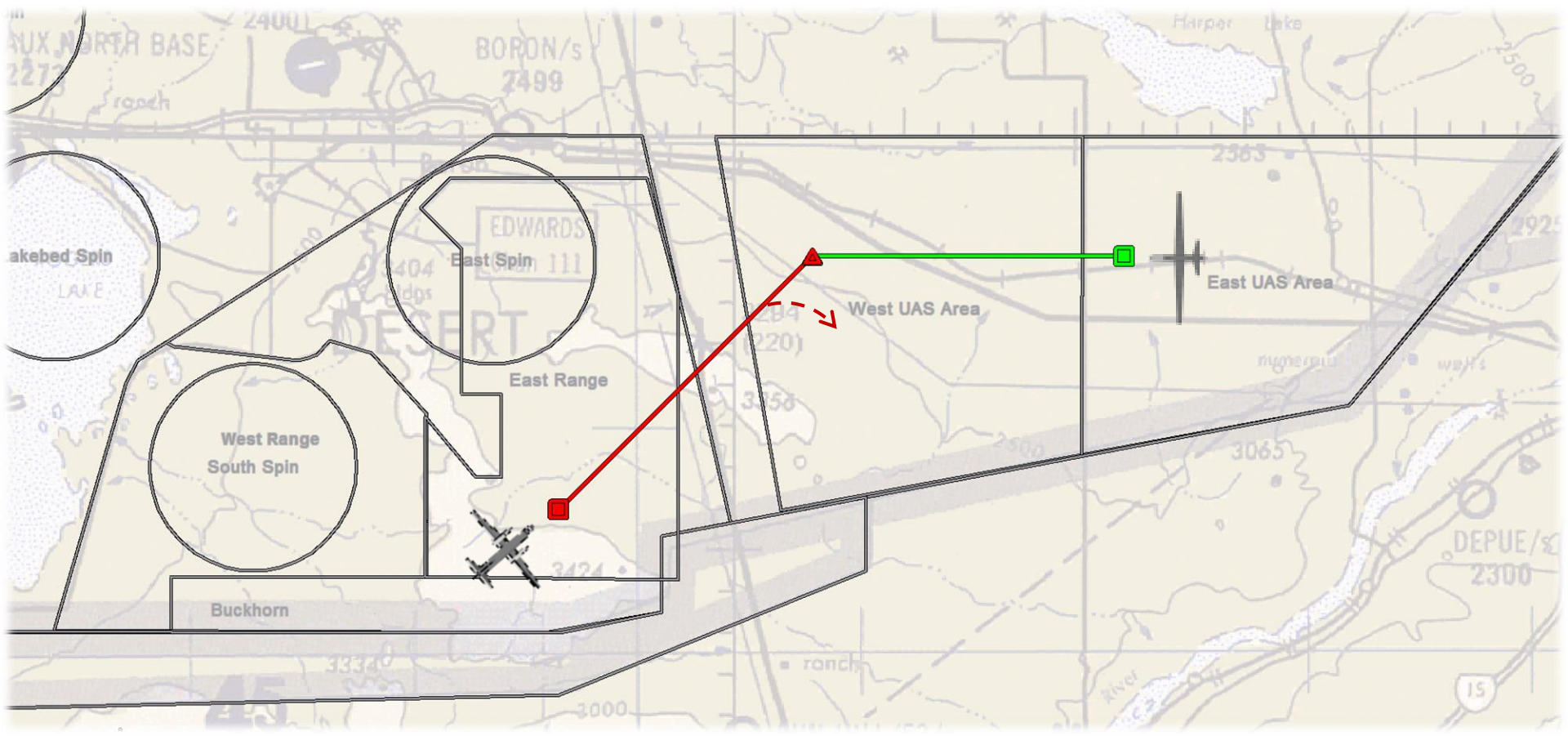


32_L13C





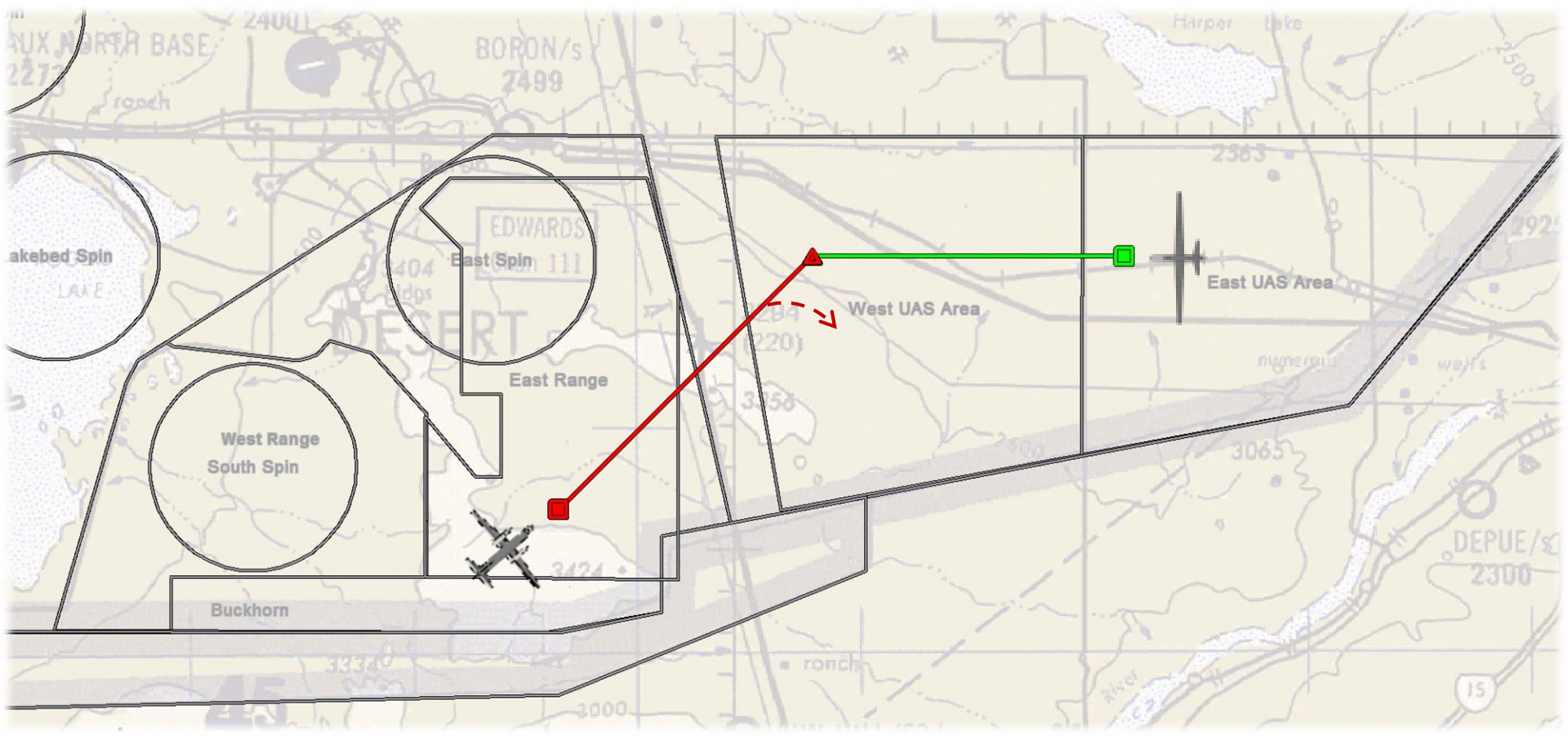
34_L14C

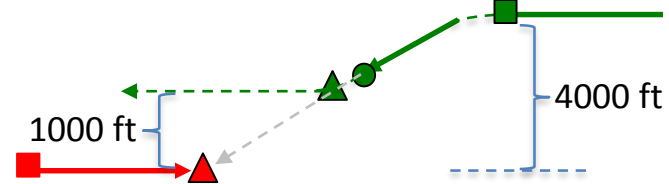


1000 ft

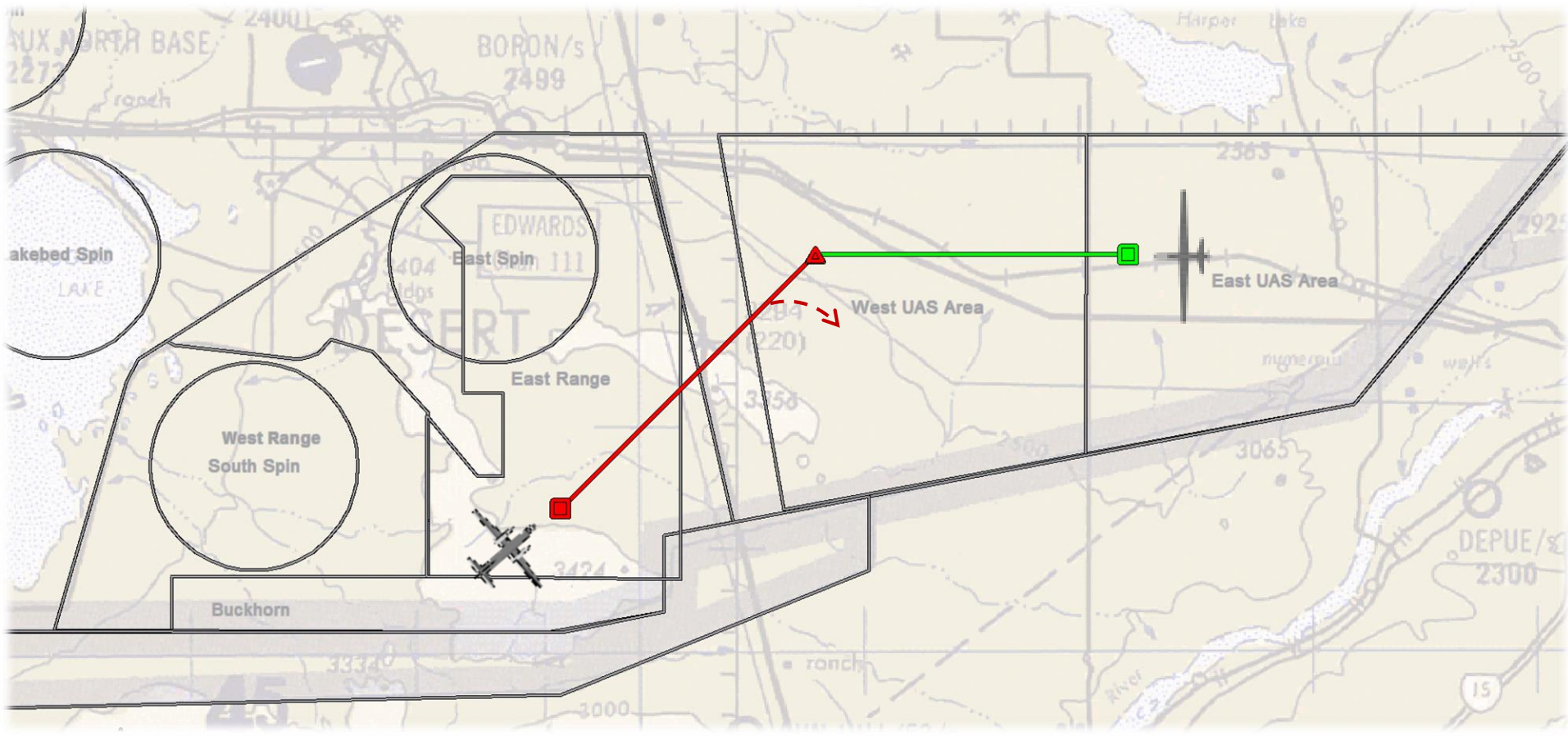
4000 ft

36_L15C



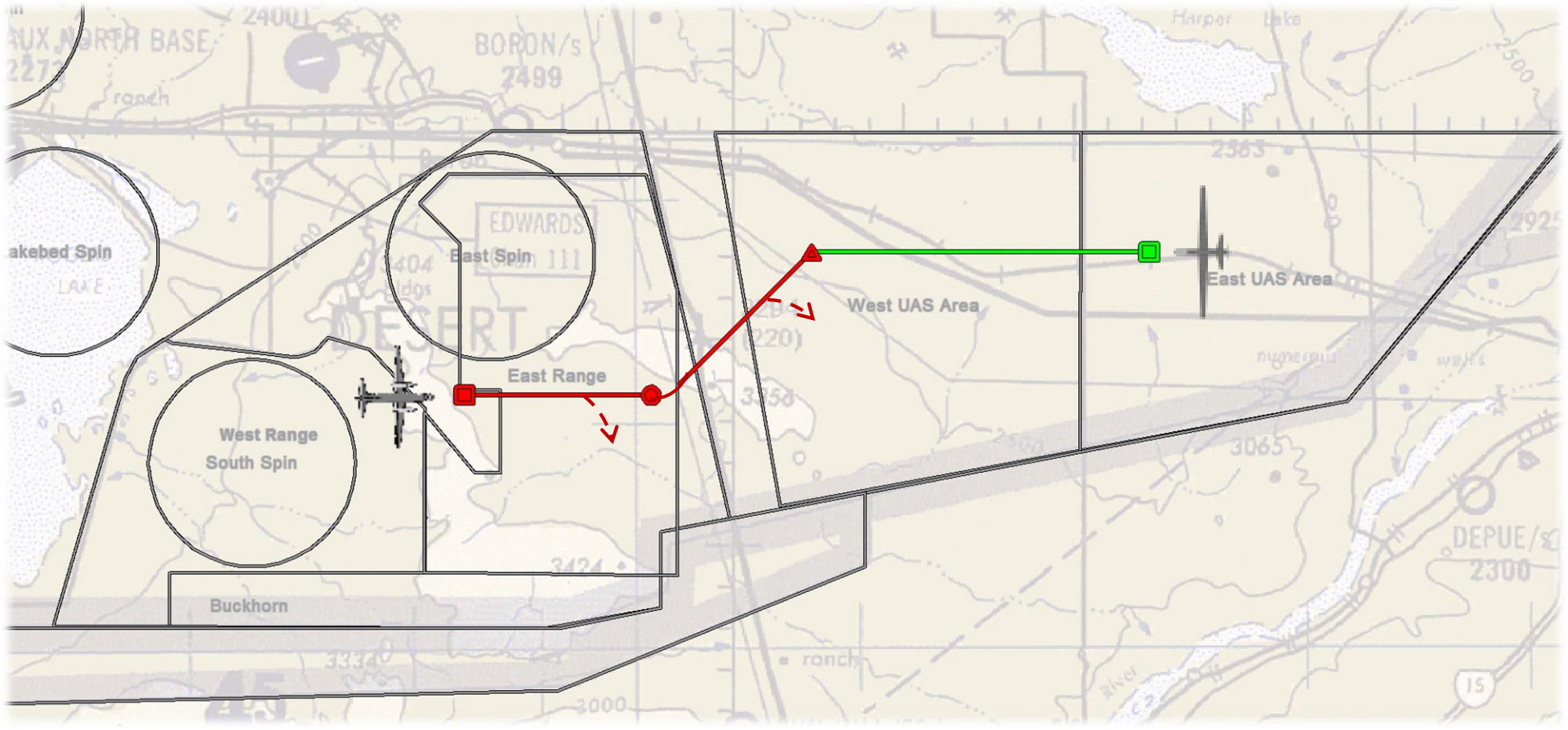


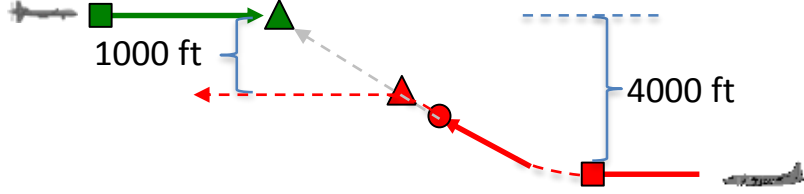
38_L16C



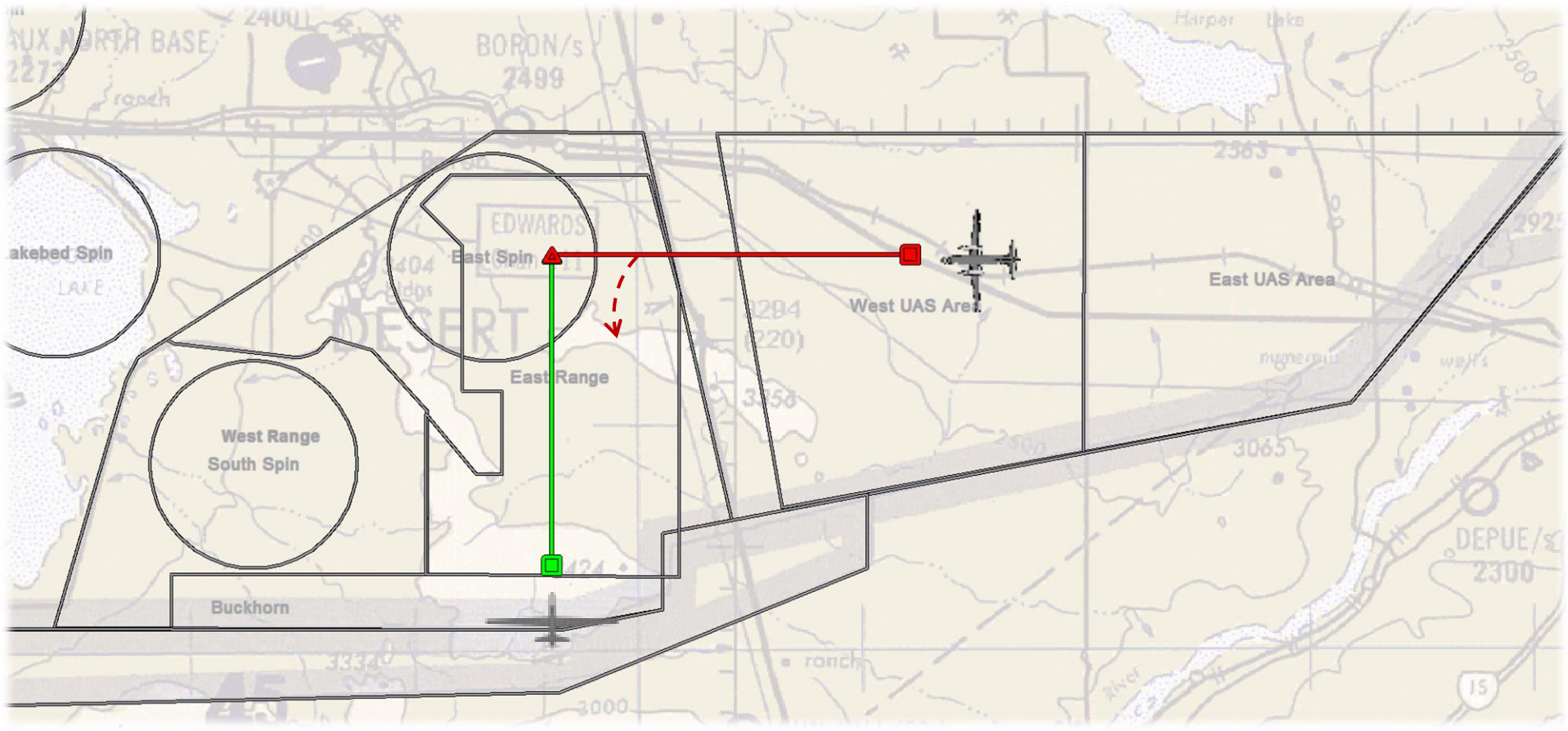


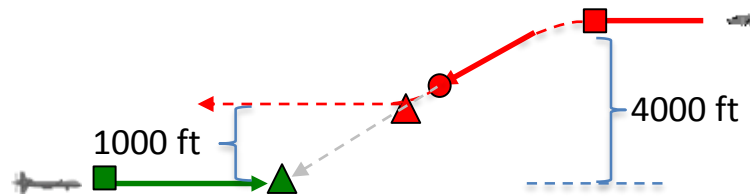
40_L12M



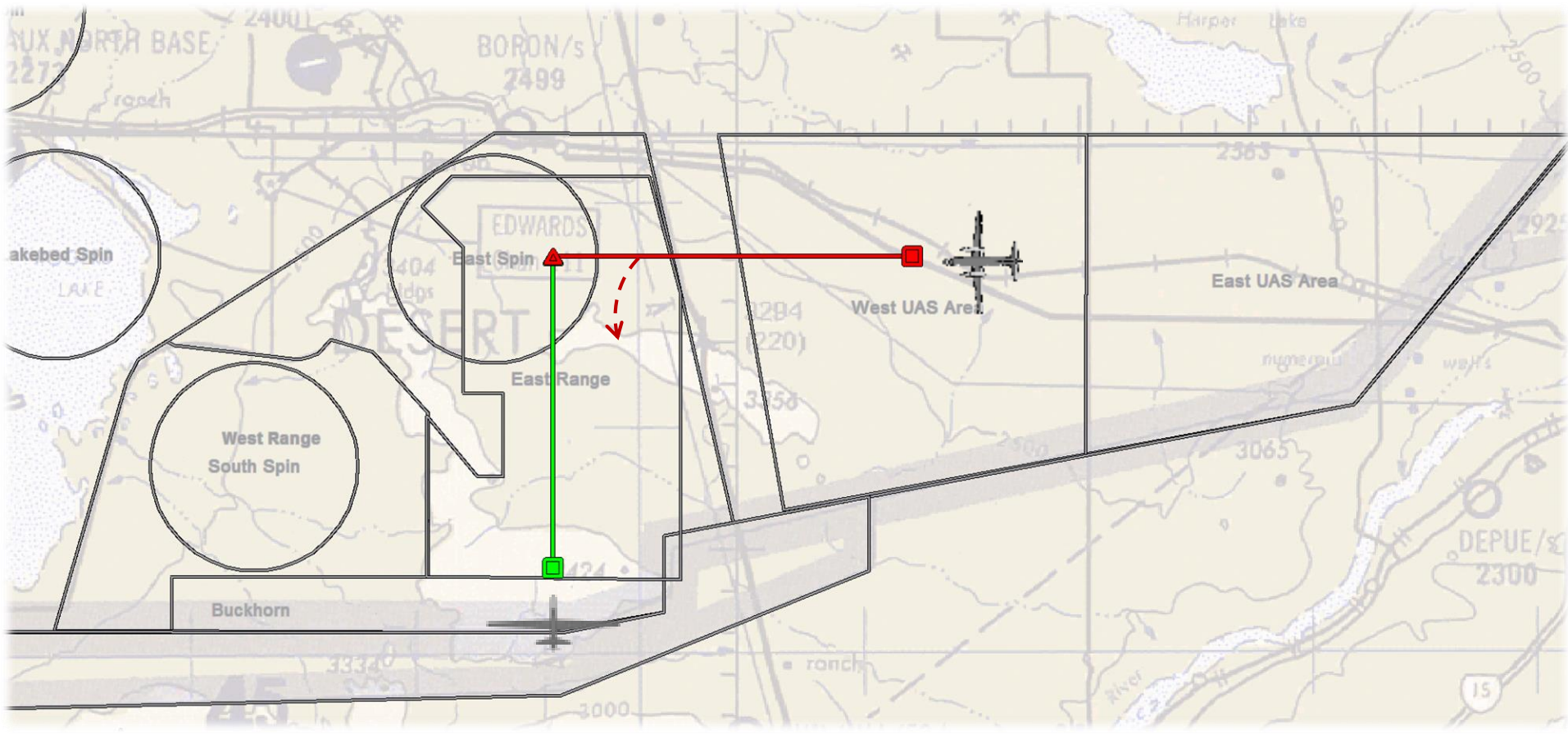


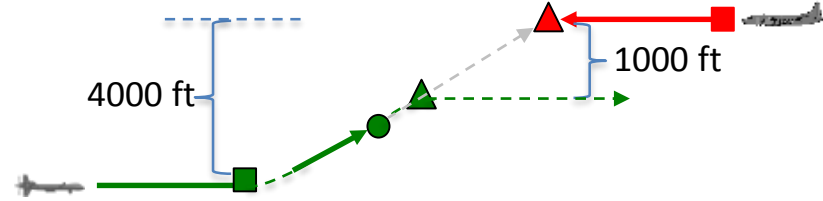
52_L13D



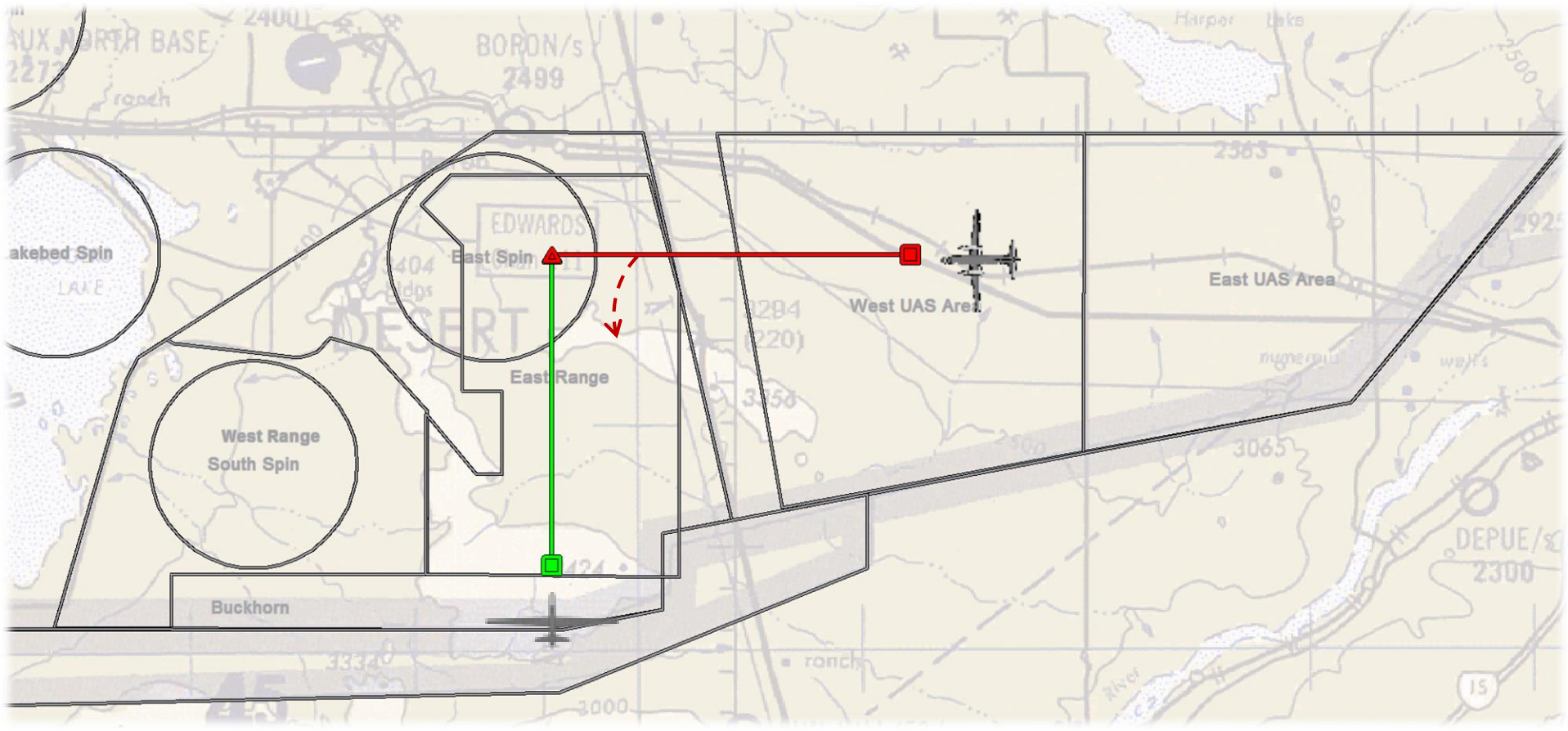


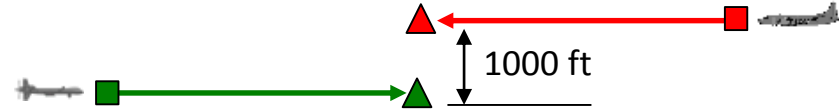
54_L14D



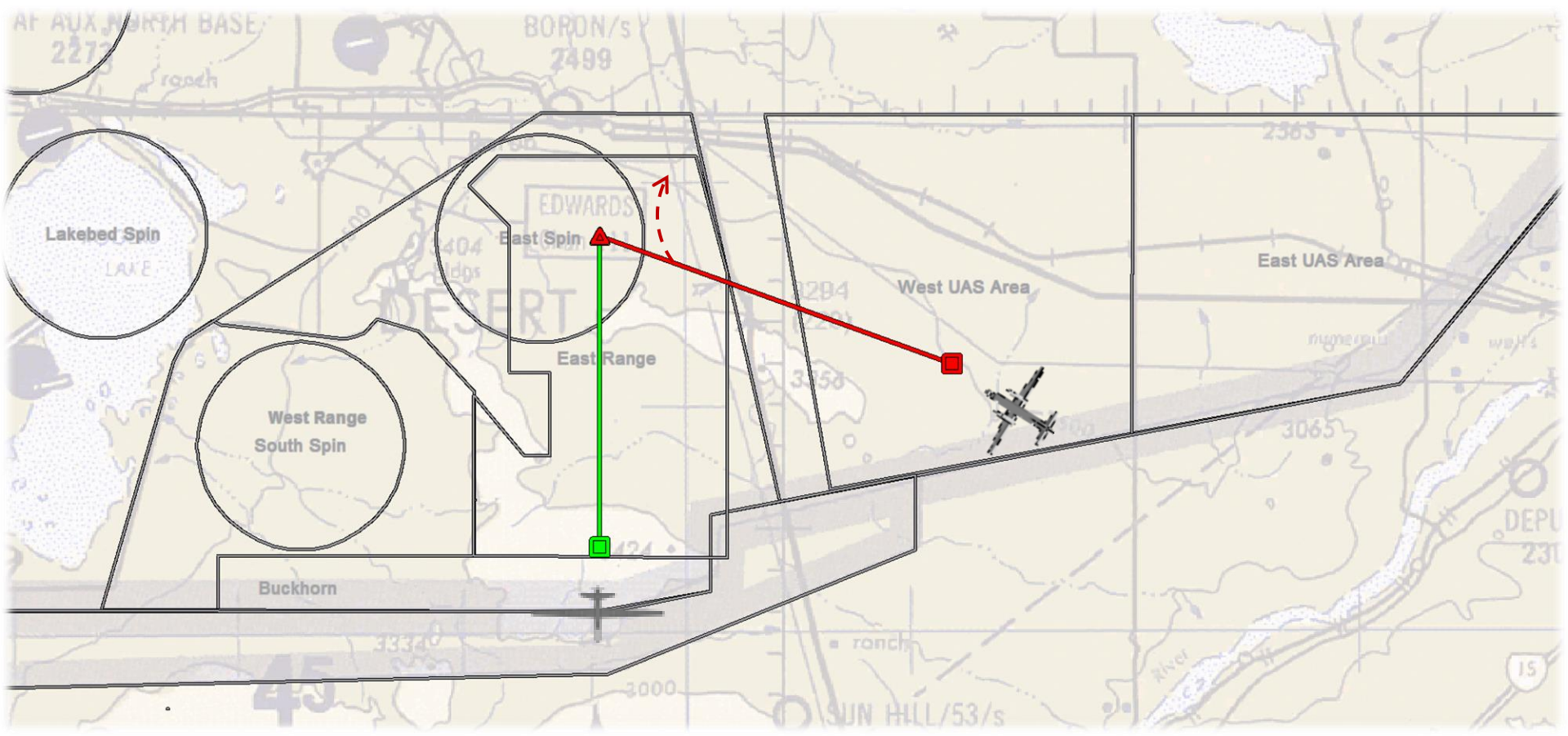


56_L15D





60_L12E

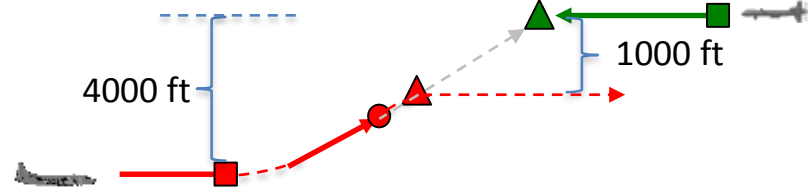


Flight 3

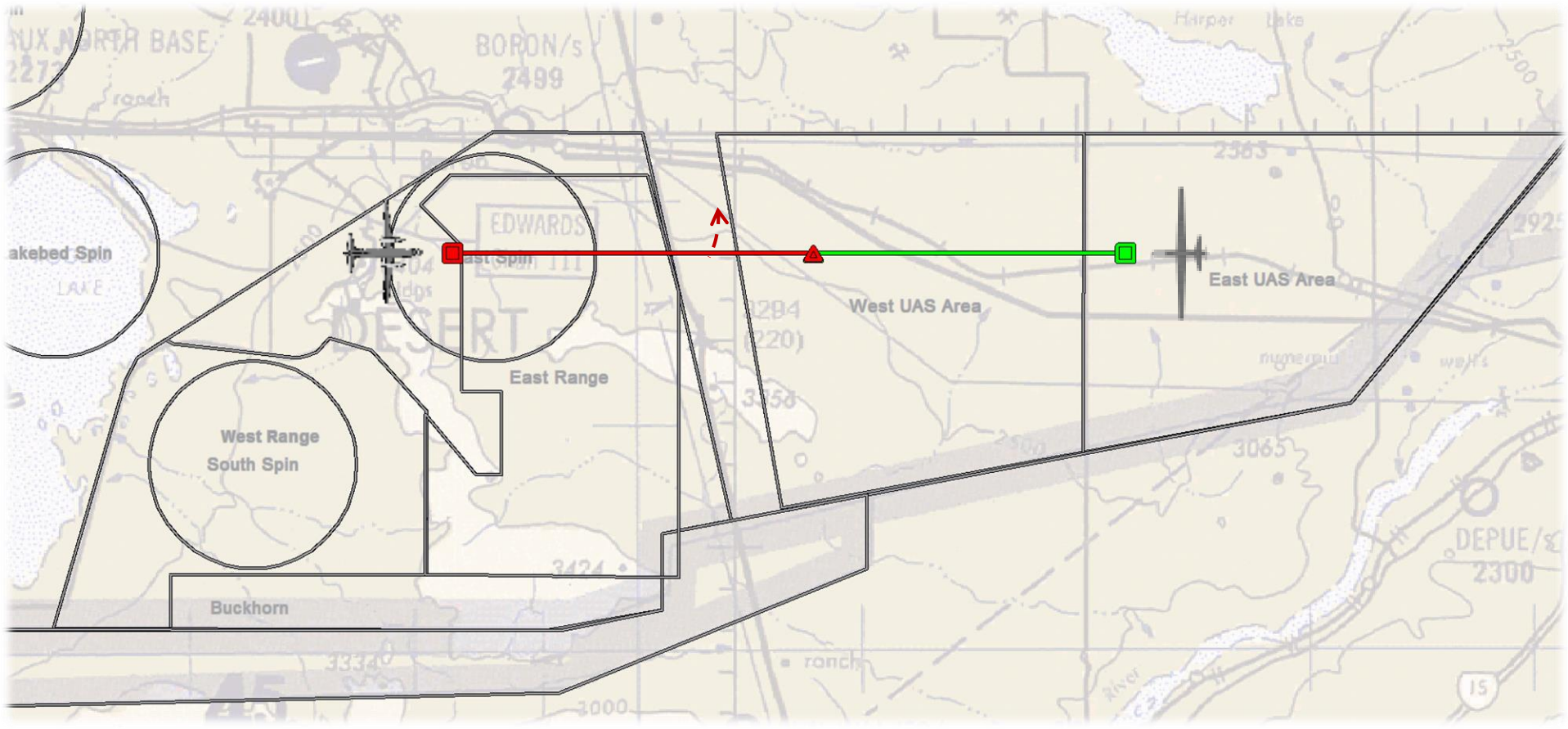
AutoResolver

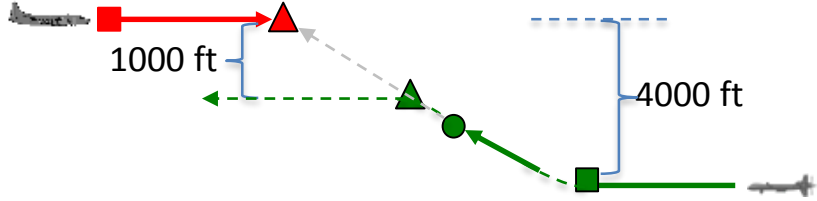
Card #	Scenario	Priority	Configuraton	Ownship Manuever	Intruder	Notes
X	Altimeter Calibration					N3GC
1	61 - L12E	2		Follow Autoreslover Guidance	N3GC	
2	41 - L12M	2		Follow Autoreslover Guidance	N3GC	
3	63 - L12N	2		Follow Autoreslover Guidance	N3GC	
4	13 - L14A	2		Follow Autoreslover Guidance	N3GC	
5	35 - L14C	2		Follow Autoreslover Guidance	N3GC	
6	55 - L14D	2		Follow Autoreslover Guidance	N3GC	
7	15 - L15A	2		Follow Autoreslover Guidance	N3GC	
8	37 - L15C	2		Follow Autoreslover Guidance	N3GC	
9	57 - L15D	2	XML Change	Follow Autoreslover Guidance	N3GC	
10	11 - L13A	2		Follow Autoreslover Guidance	N3GC	
11	33 - L13C	2		Follow Autoreslover Guidance	N3GC	
12	53 - L13D	2		Follow Autoreslover Guidance	N3GC	
13	17 - L16A	2		Follow Autoreslover Guidance	N3GC	
14	39 - L16C	2		Follow Autoreslover Guidance	N3GC	
15	59 - L16D	2	AR2/XML	Follow Autoreslover Guidance	N3GC	Artifical Offset
16	61 - L12E	2		Follow Autoreslover Guidance	N3GC	
17	41 - L12M	2		Follow Autoreslover Guidance	N3GC	
18	63 - L12N	2		Follow Autoreslover Guidance	N3GC	
19	13 - L14A	2		Follow Autoreslover Guidance	N3GC	
20	35 - L14C	2		Follow Autoreslover Guidance	N3GC	
		2		Follow Autoreslover Guidance	N3GC	
		2		Follow Autoreslover Guidance	N3GC	
		2		Follow Autoreslover Guidance	N3GC	
		2	XML Change	Follow Autoreslover Guidance	N3GC	
		2		Follow Autoreslover Guidance	N3GC	
		2		Follow Autoreslover Guidance	N3GC	
		2		Follow Autoreslover Guidance	N3GC	
		2		Follow Autoreslover Guidance	N3GC	
		2		Follow Autoreslover Guidance	N3GC	
		2		Follow Autoreslover Guidance	N3GC	
		2		Follow Autoreslover Guidance	N3GC	

**ALL ENCOUNTERS
ADS-B ONLY
(Radar, TCAS,
Tracker Deselected)**

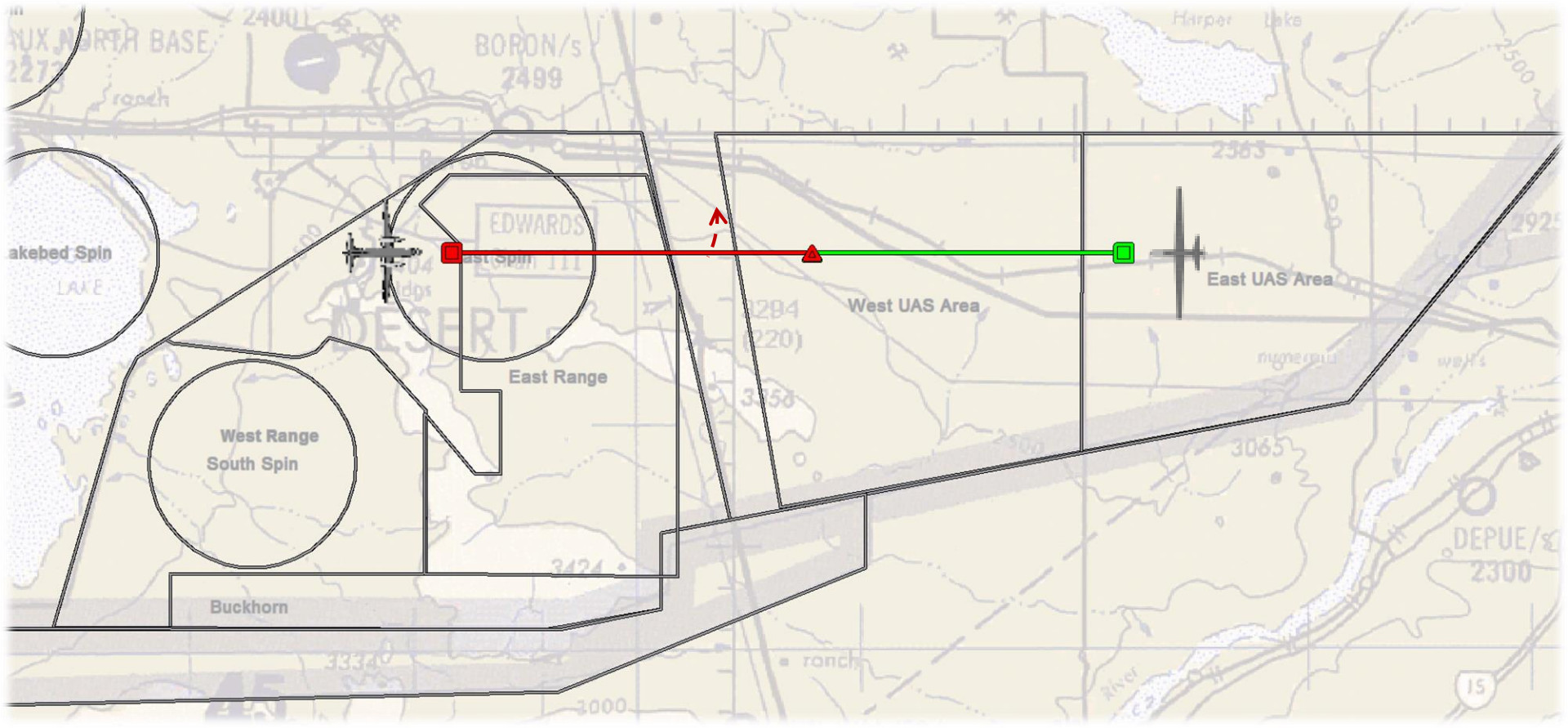


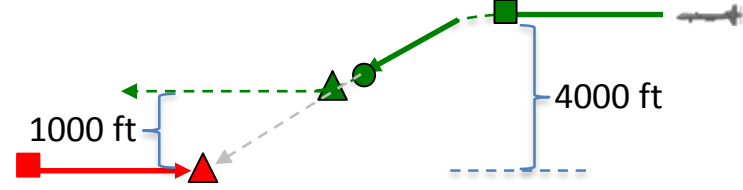
11_L13A



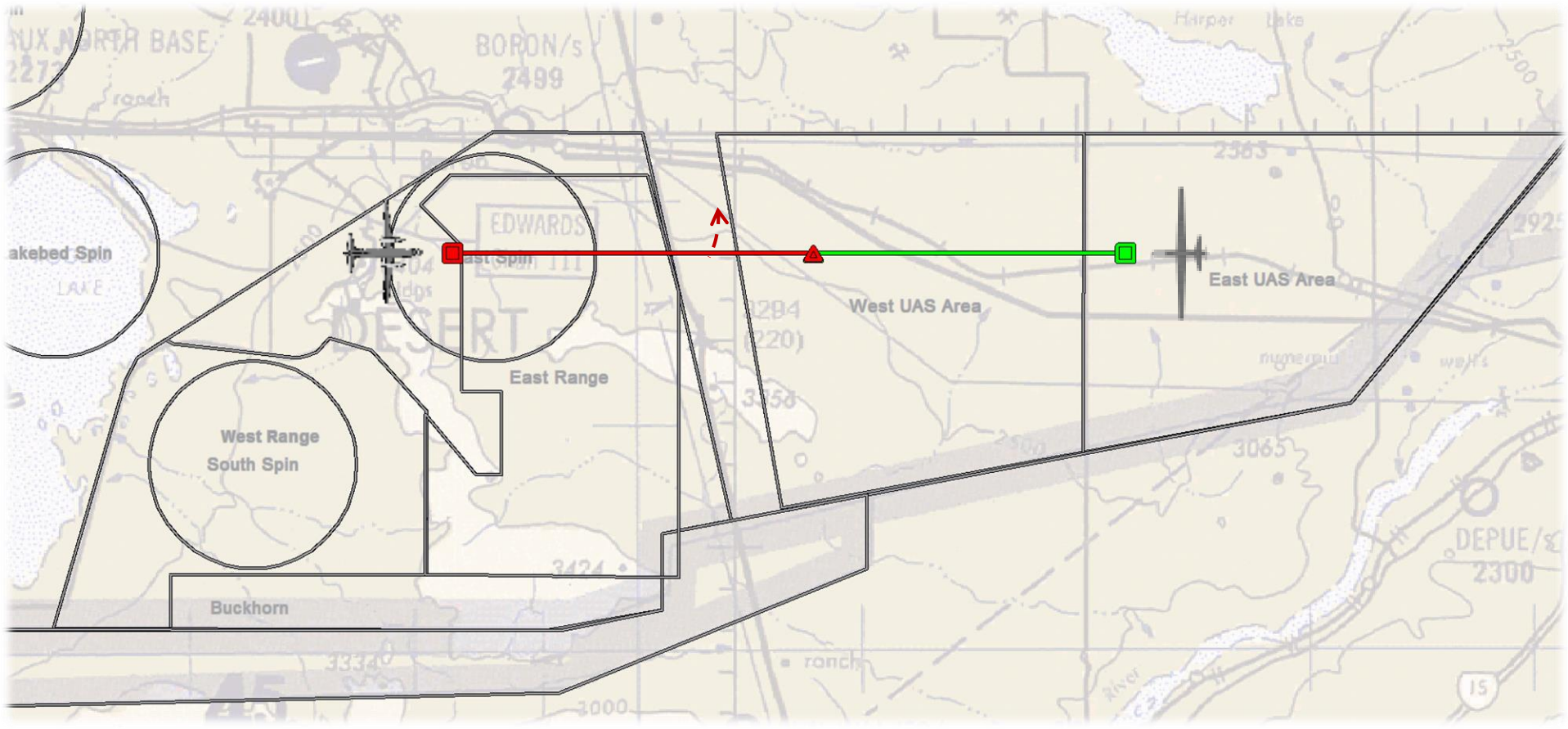


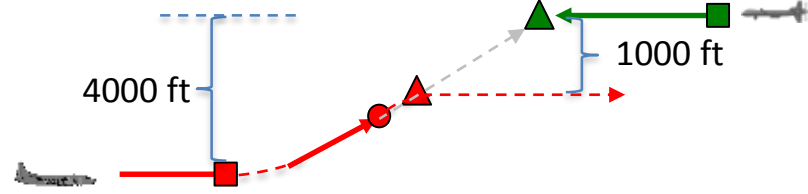
15_L15A



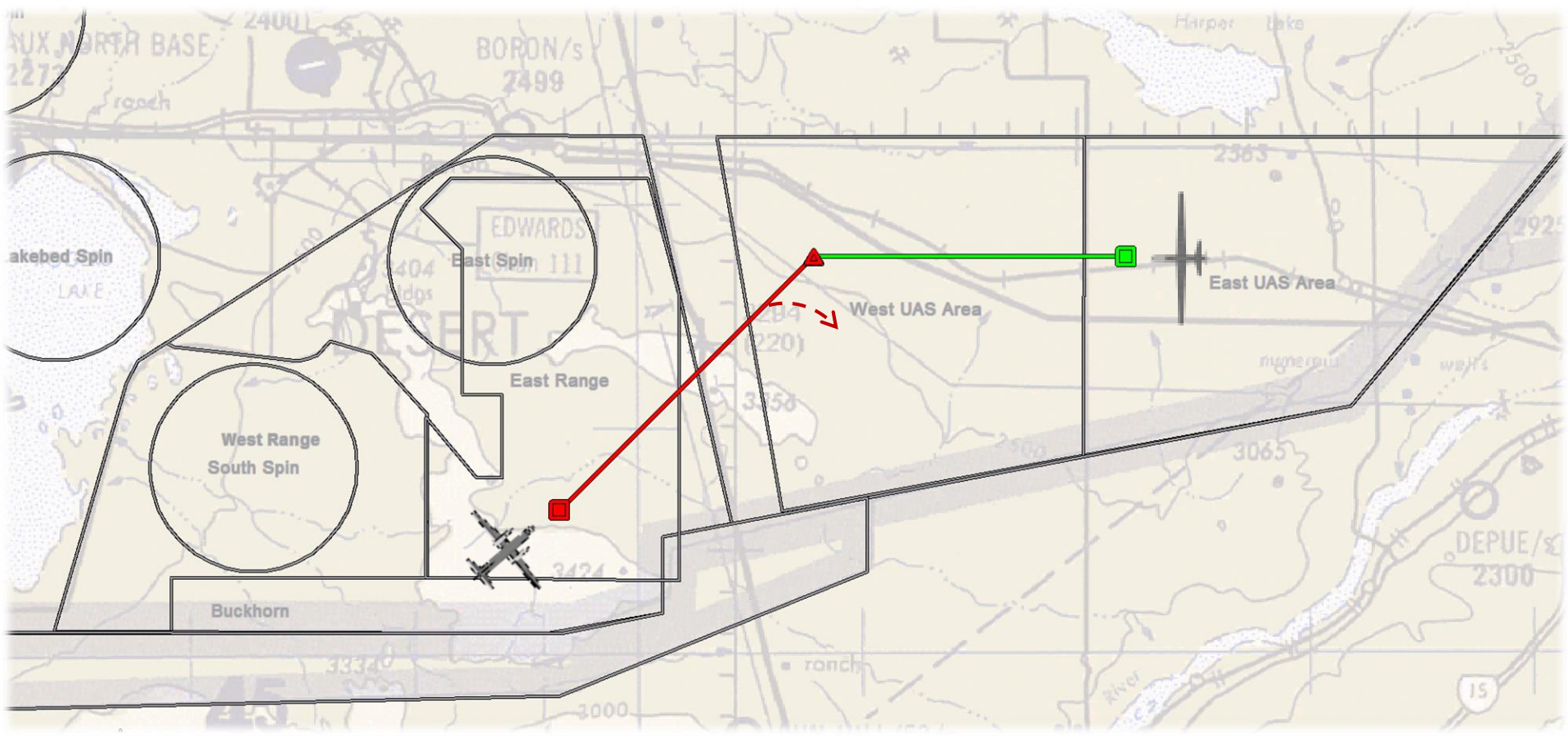


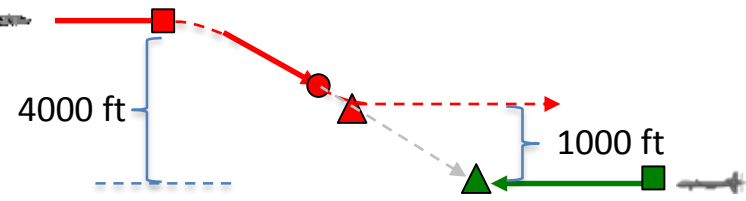
17_L16A



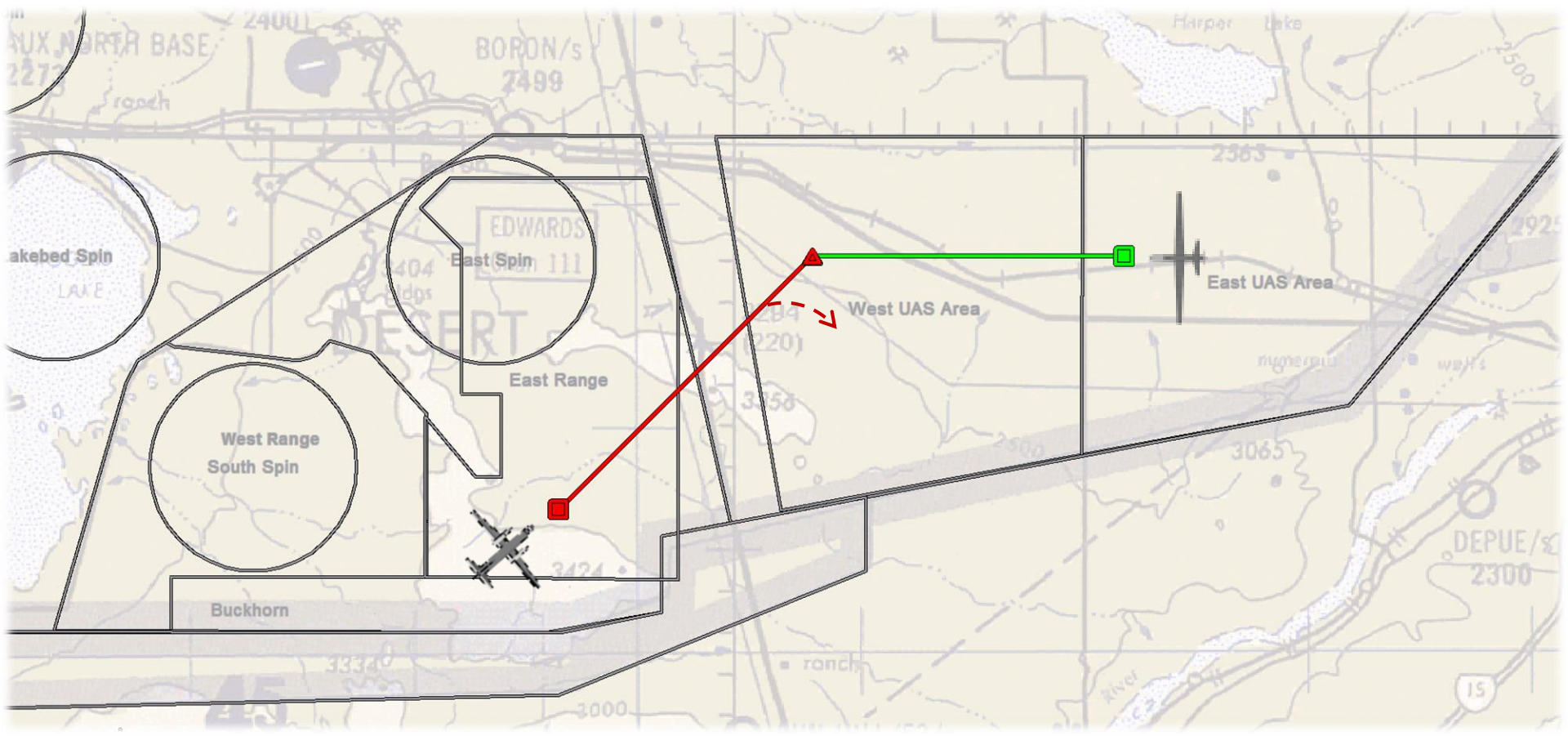


33_L13C





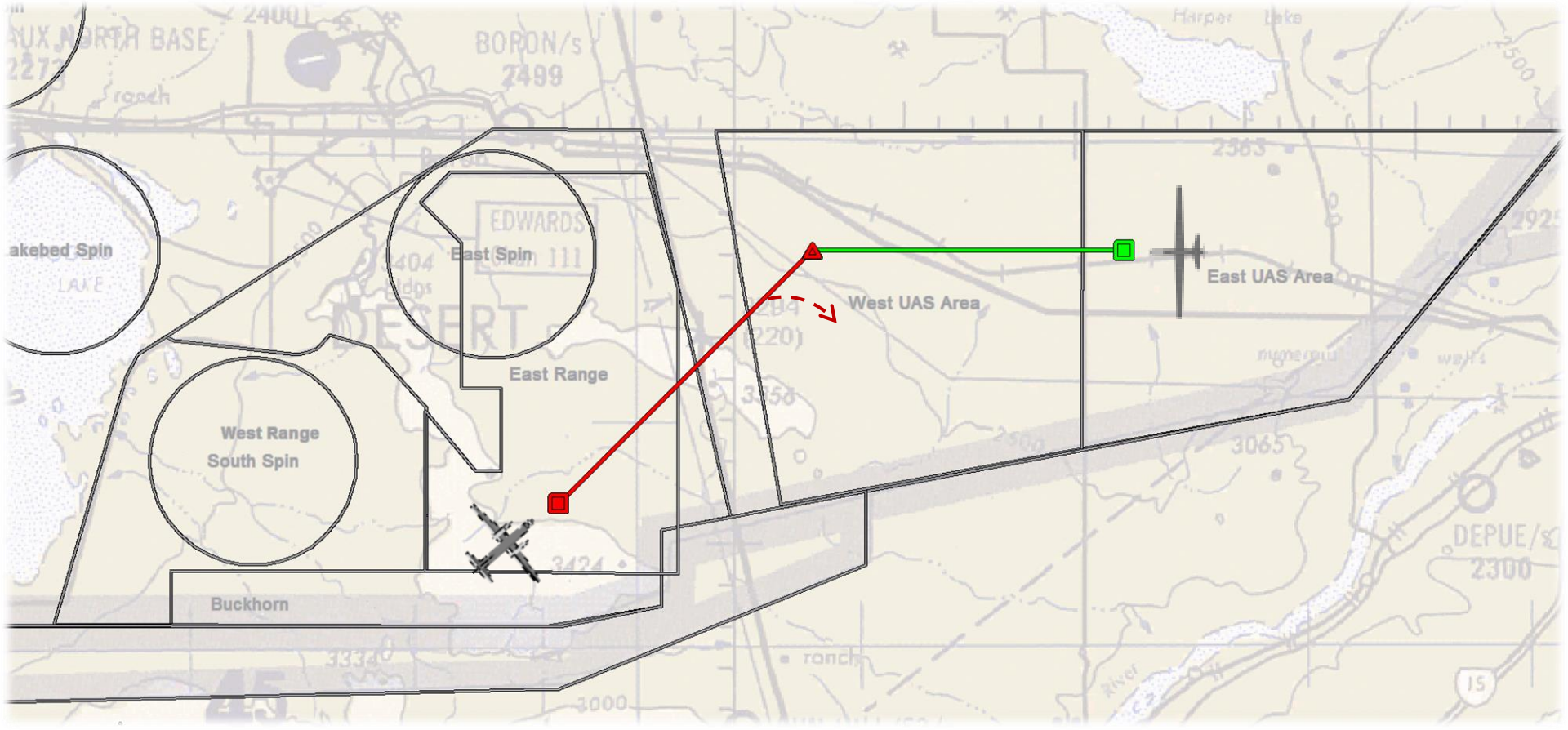
35_L14C

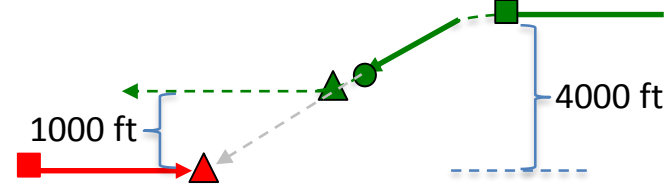


1000 ft

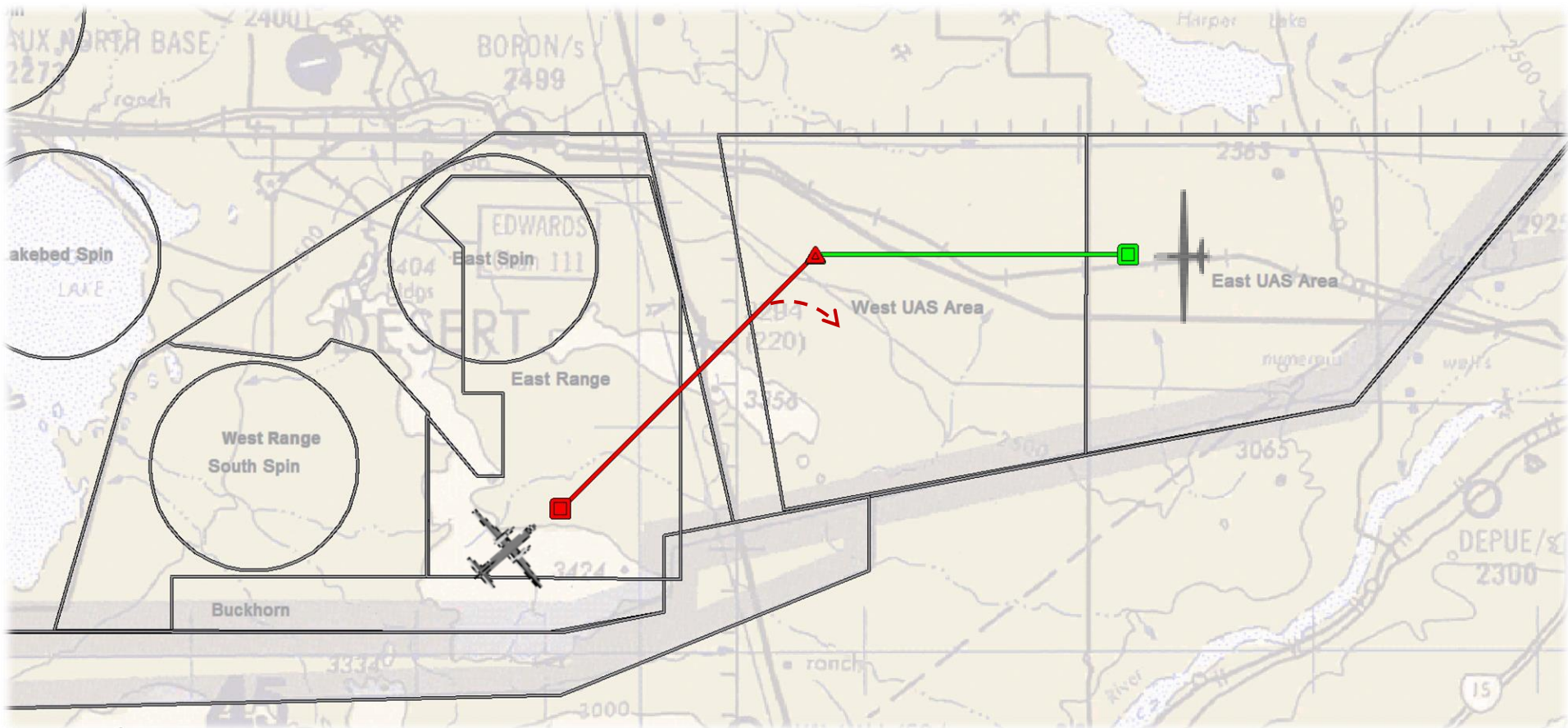
4000 ft

37_L15C



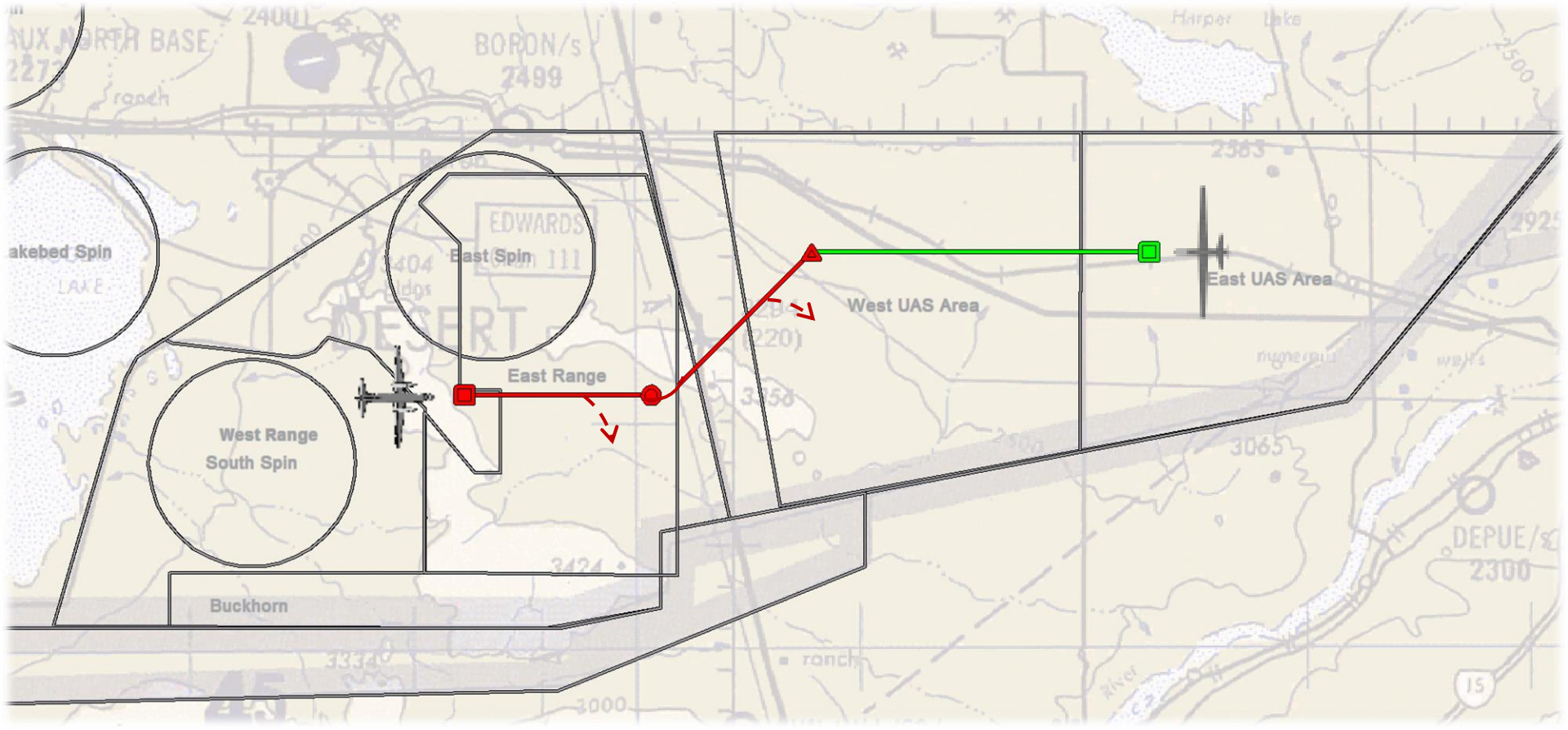


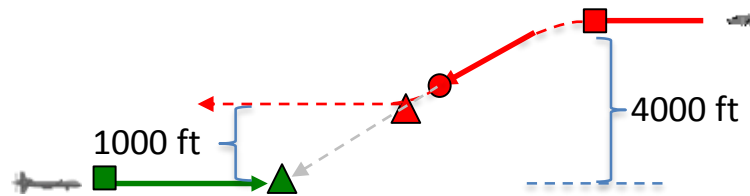
39_L16C



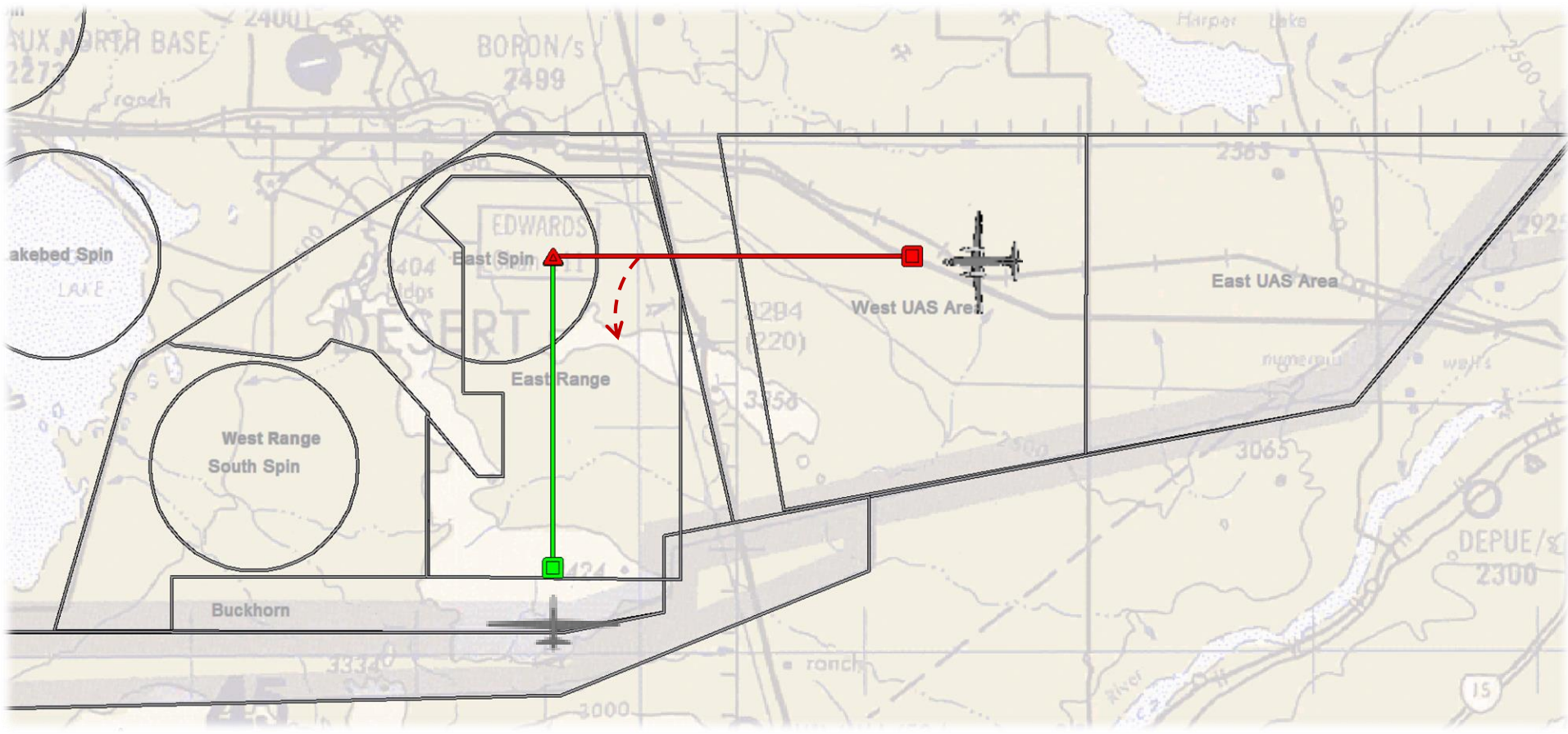


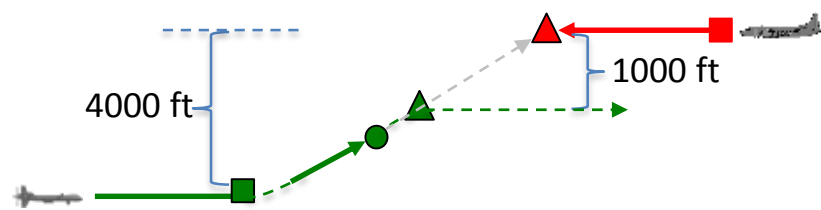
41_L12M



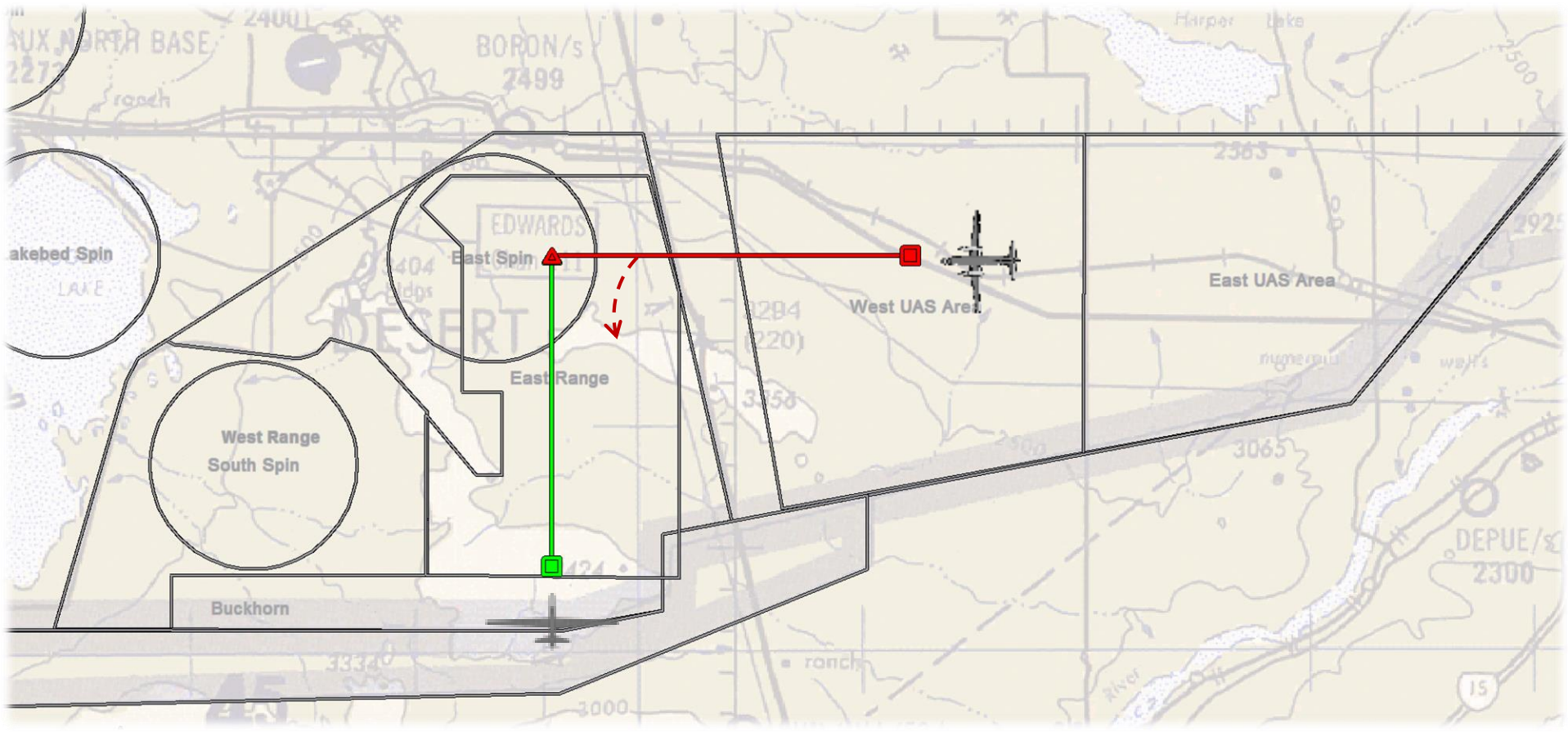


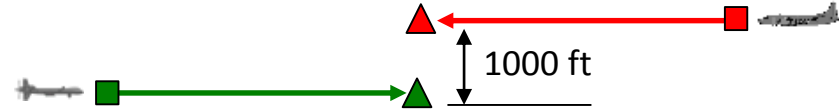
55_L14D



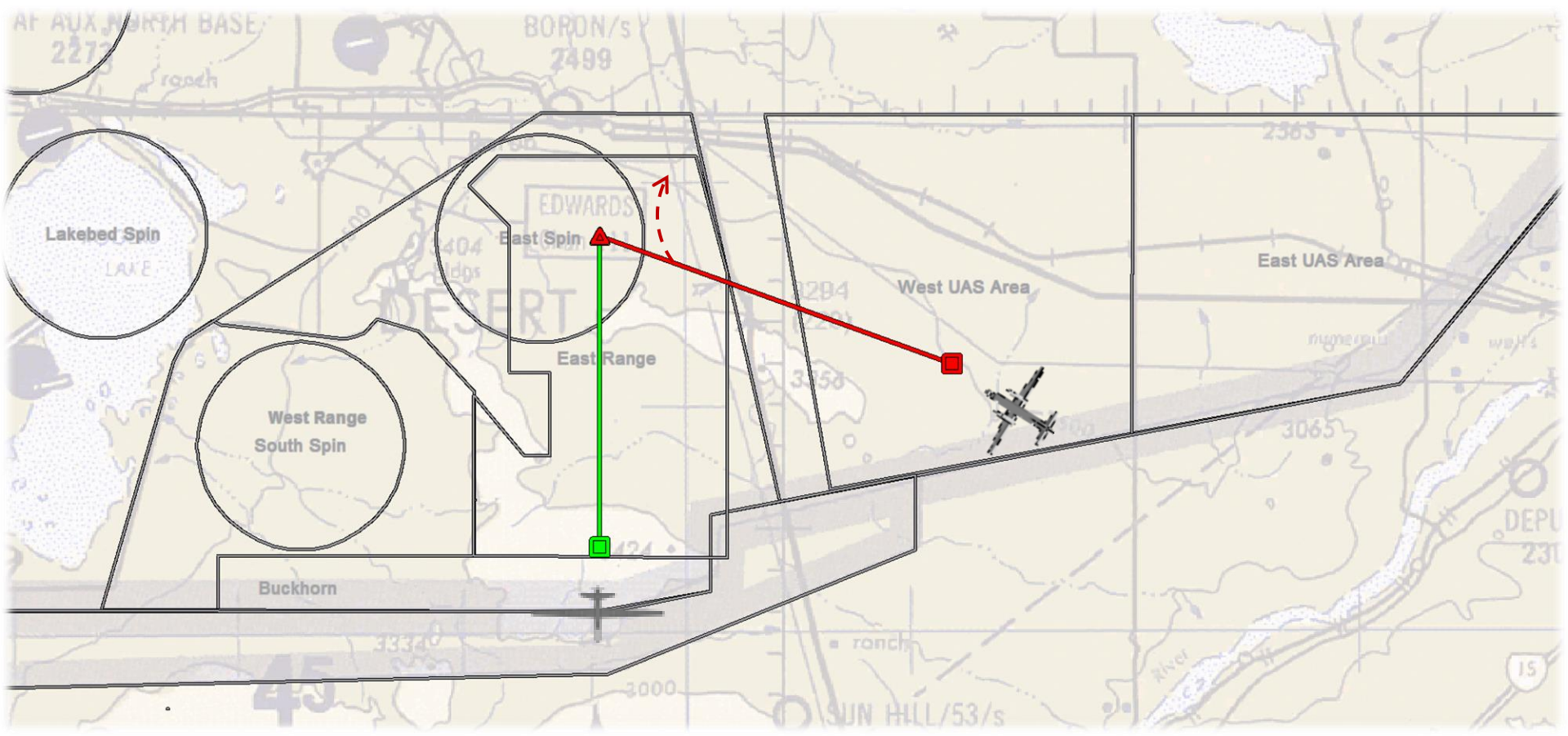


57_L15D



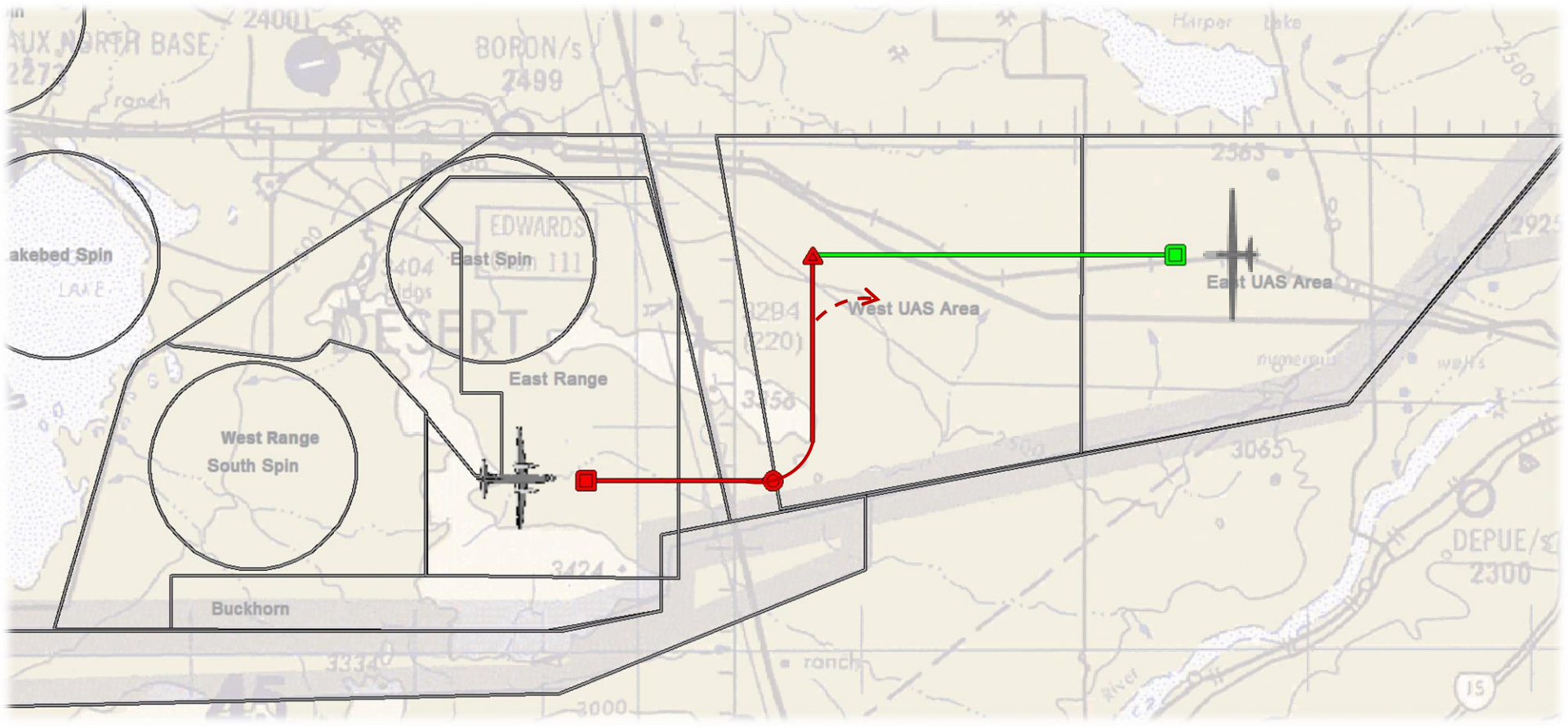


61_L12E





63_L12N



Flight 4

Card #	Scenario	Priority	Config	Ownership	Manuever	Intruder	Notes
X	Altimeter Calibration					N3GC	
1	137 - L53C	1			Follow TCAS RA - Manually	N3GC	
2	137 - L53C	1			Monitor TCAS RA Auto maneuver	N3GC	
3	146 - L54D	1			Follow TCAS RA - Manually	N3GC	
4	146 - L54D	1		CPDS	Monitor TCAS RA Auto maneuver	N3GC	
5	140 - L55A	1			Follow TCAS RA - Manually	N3GC	
6	140 - L55A	1			Monitor TCAS RA Auto maneuver	N3GC	
7	151 - L56F	1			Follow TCAS RA - Manually	N3GC	
8	151 - L56F	1			Monitor TCAS RA Auto maneuver	N3GC	
9	115 - L32G (110)	1				N3GC	
10	121 - L32G (90)	1		RADAR / CPDS	Ikhana fly through / Non-maneuver	N3GC	
11	117 - L53G (110)	1				N3GC	
12	124 - L55G (90)	1				N3GC	
		1			Follow TCAS RA - Manually	N3GC	
		1			Monitor TCAS RA Auto maneuver	N3GC	
15	128 - L32A	1			Follow TCAS RA - Manually	N3GC	
16	128 - L32A	1			Monitor TCAS RA Auto maneuver	N3GC	
17	129 - L32C	1			Follow TCAS RA - Manually	N3GC	
18	129 - L32C	1			Monitor TCAS RA Auto maneuver	N3GC	
		1			Follow TCAS RA - Manually	N3GC	AFRC - T-34
		1		CPDS	Monitor TCAS RA Auto maneuver	N3GC	AFRC - T-34
		1			Follow TCAS RA - Manually	N3GC	AFRC - T-34
		1			Monitor TCAS RA Auto maneuver	N3GC	AFRC - T-34
		1			Follow TCAS RA - Manually	N3GC	AFRC - T-34
		1			Monitor TCAS RA Auto maneuver	N3GC	AFRC - T-34
		1			Follow TCAS RA - Manually	N3GC	AFRC - T-34
		1			Monitor TCAS RA Auto maneuver	N3GC	AFRC - T-34
		1			Follow TCAS RA - Manually	N3GC	AFRC - T-34
		1			Monitor TCAS RA Auto maneuver	N3GC	AFRC - T-34

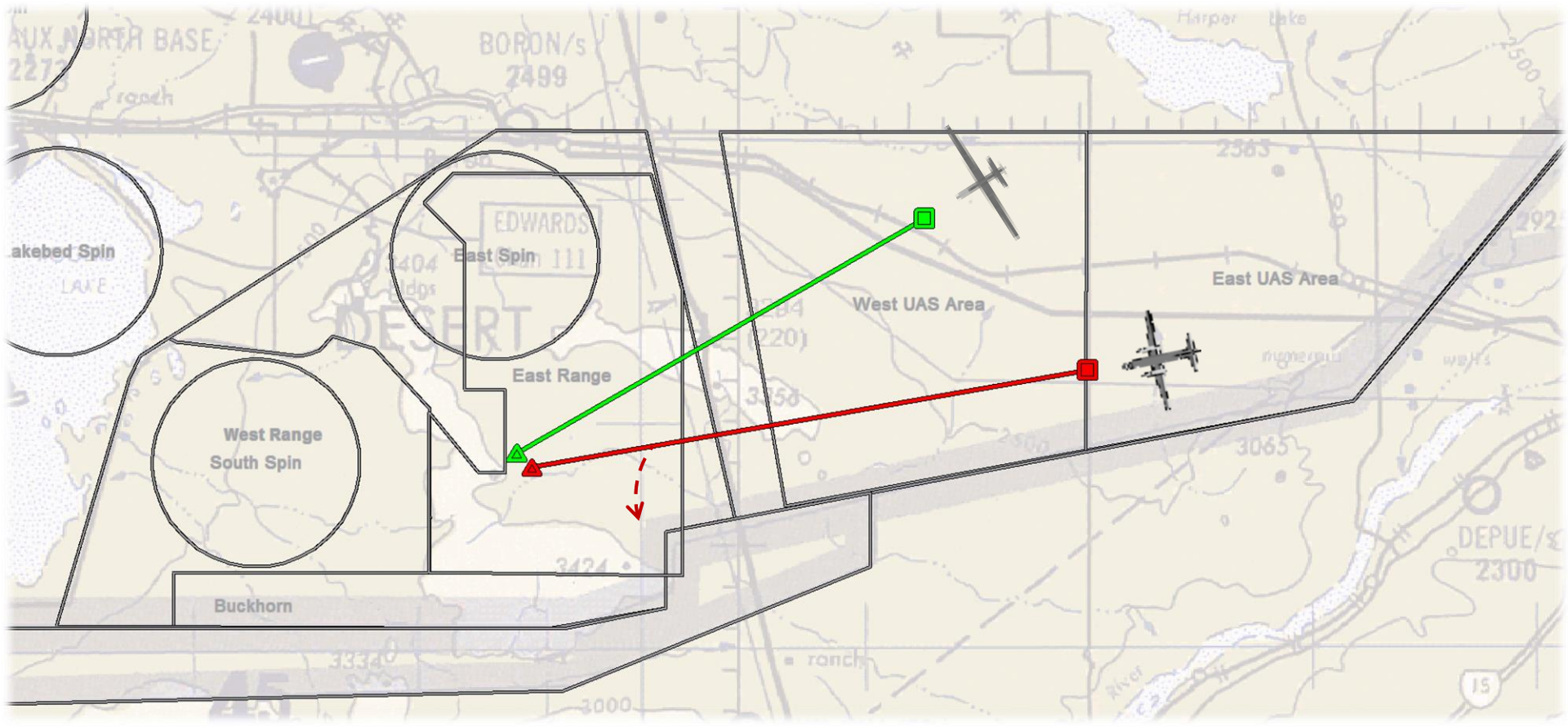
Flight 4

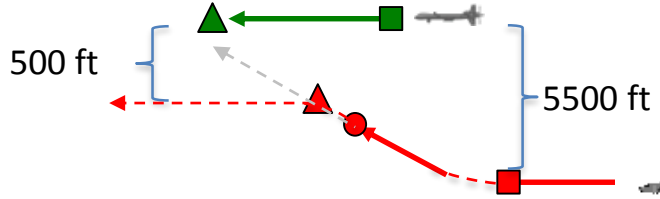
CPDS

300 ft

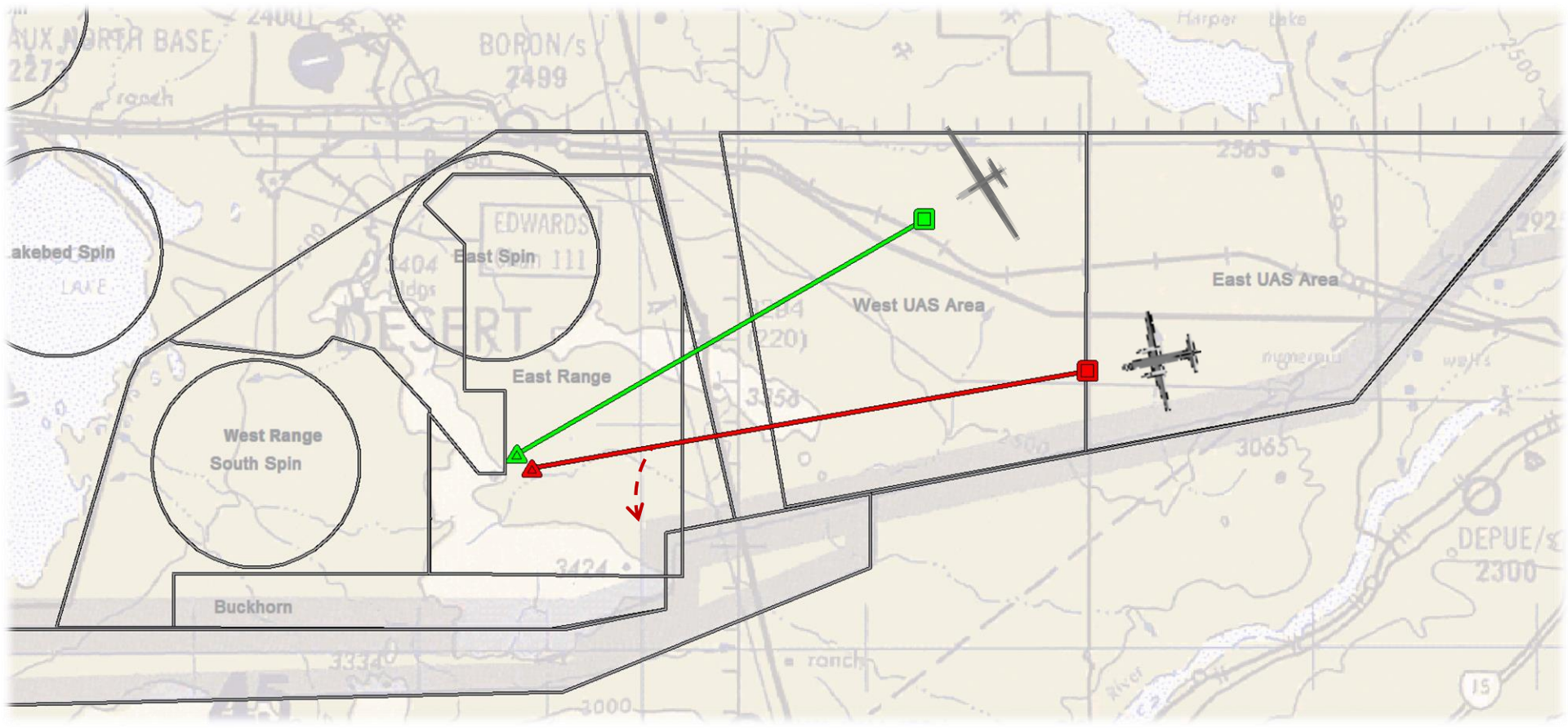


115_L32G



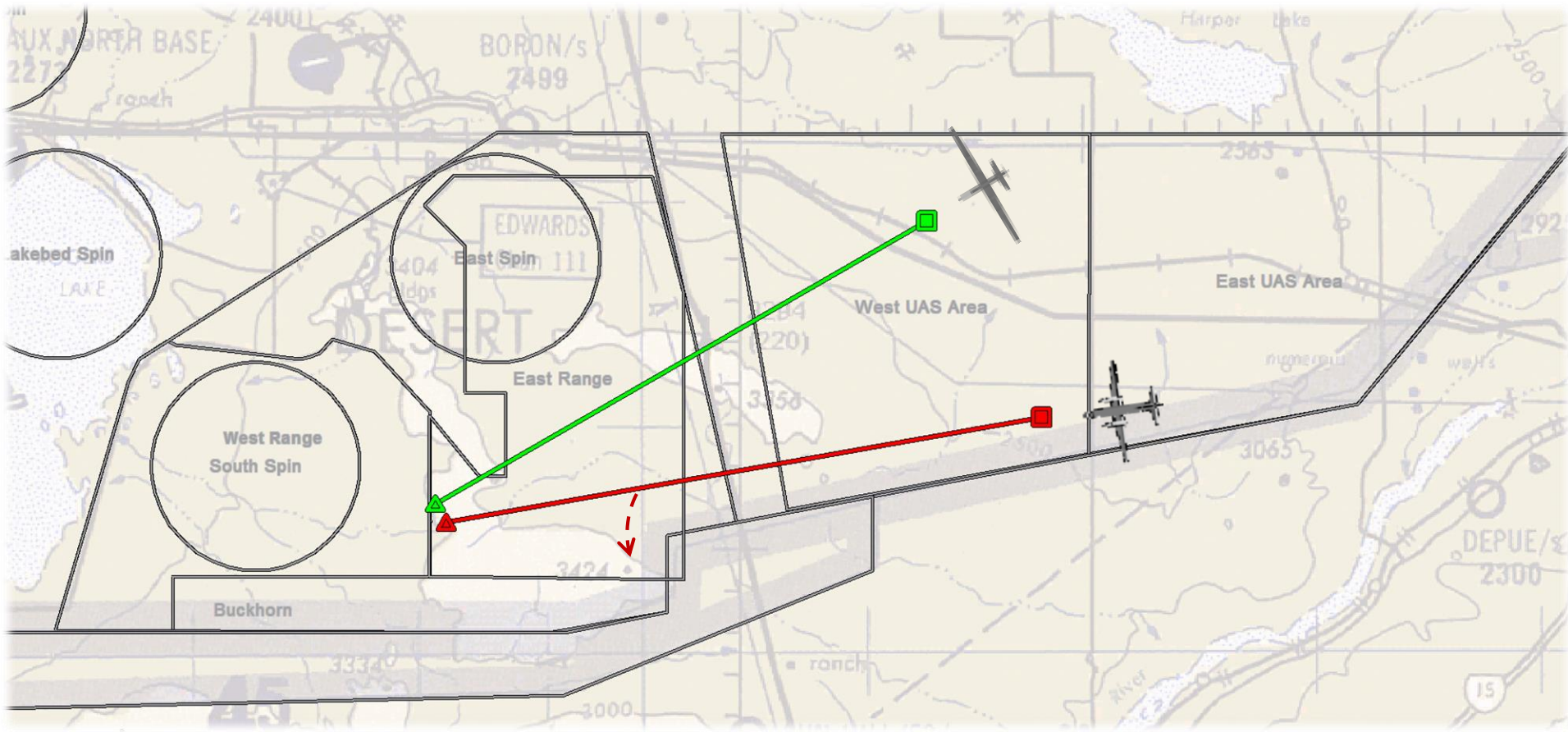


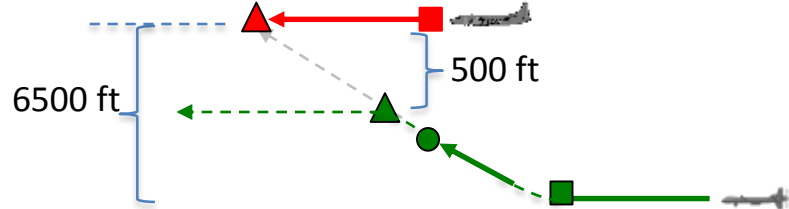
117_L53G



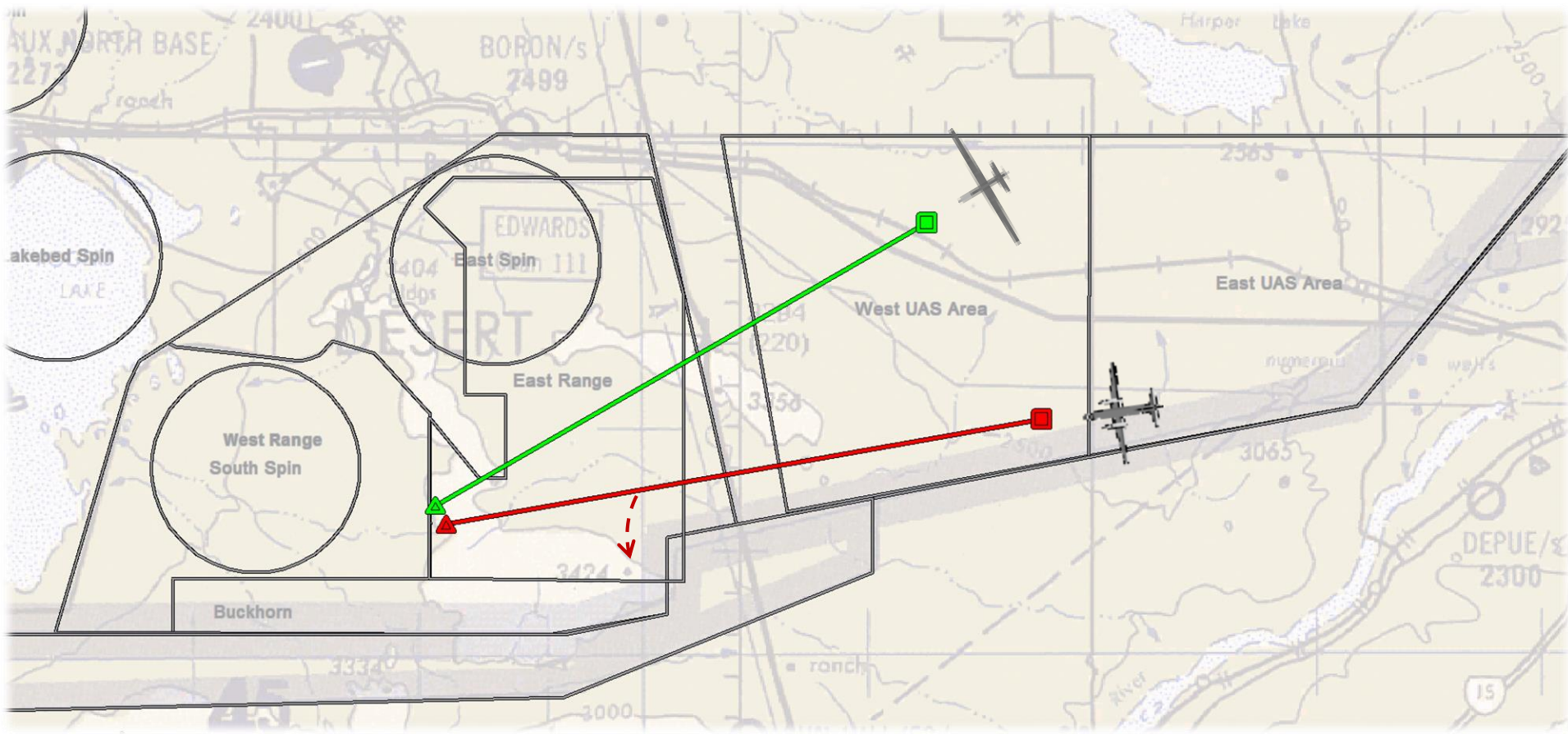


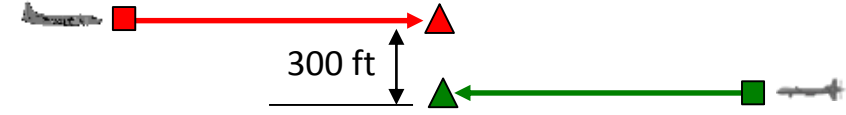
121_L32G



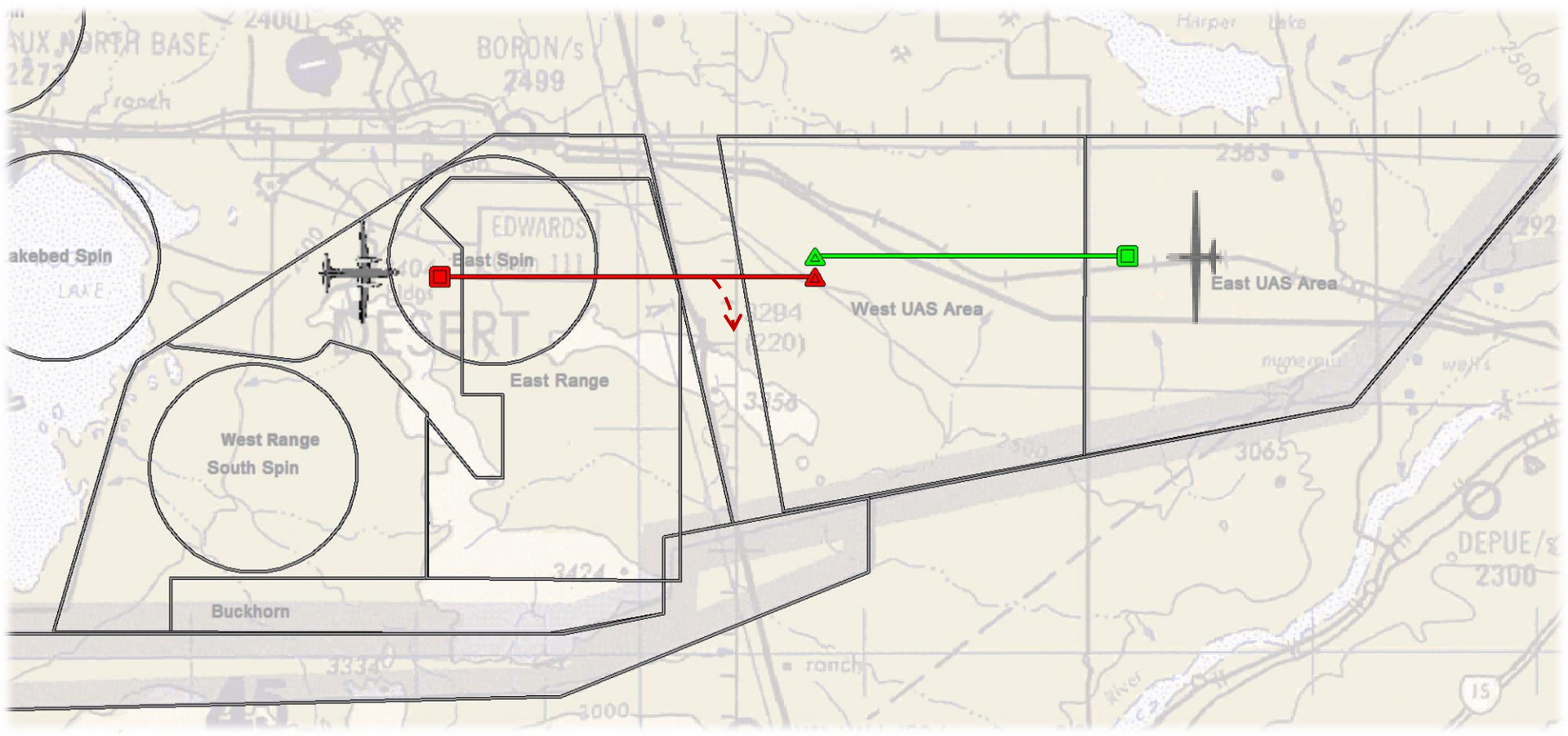


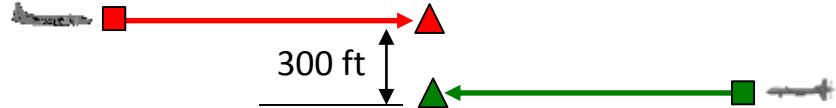
124_L55G



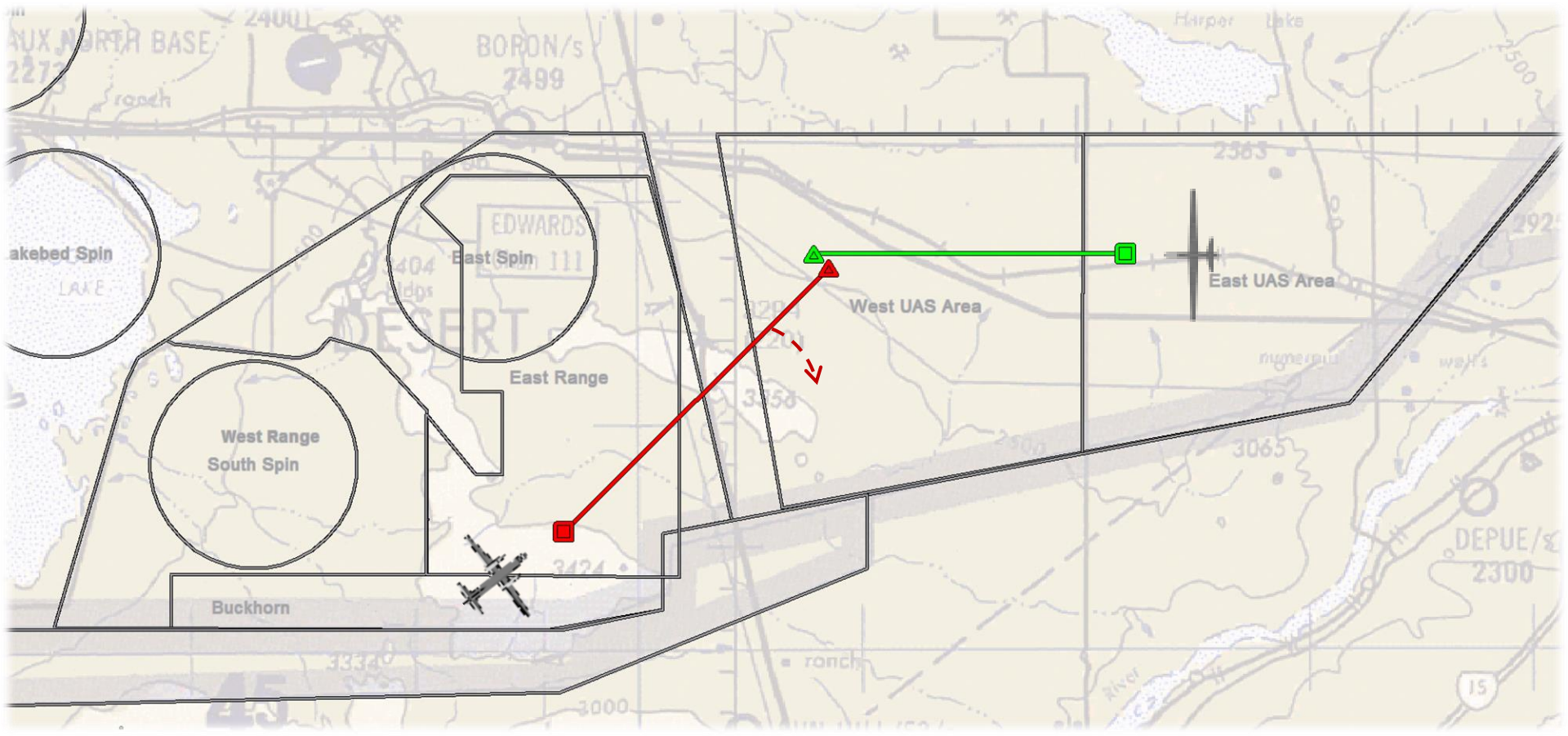


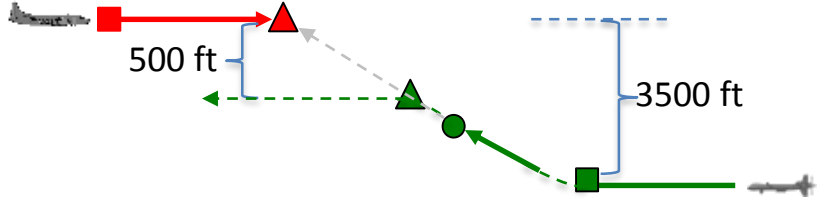
128_L32A



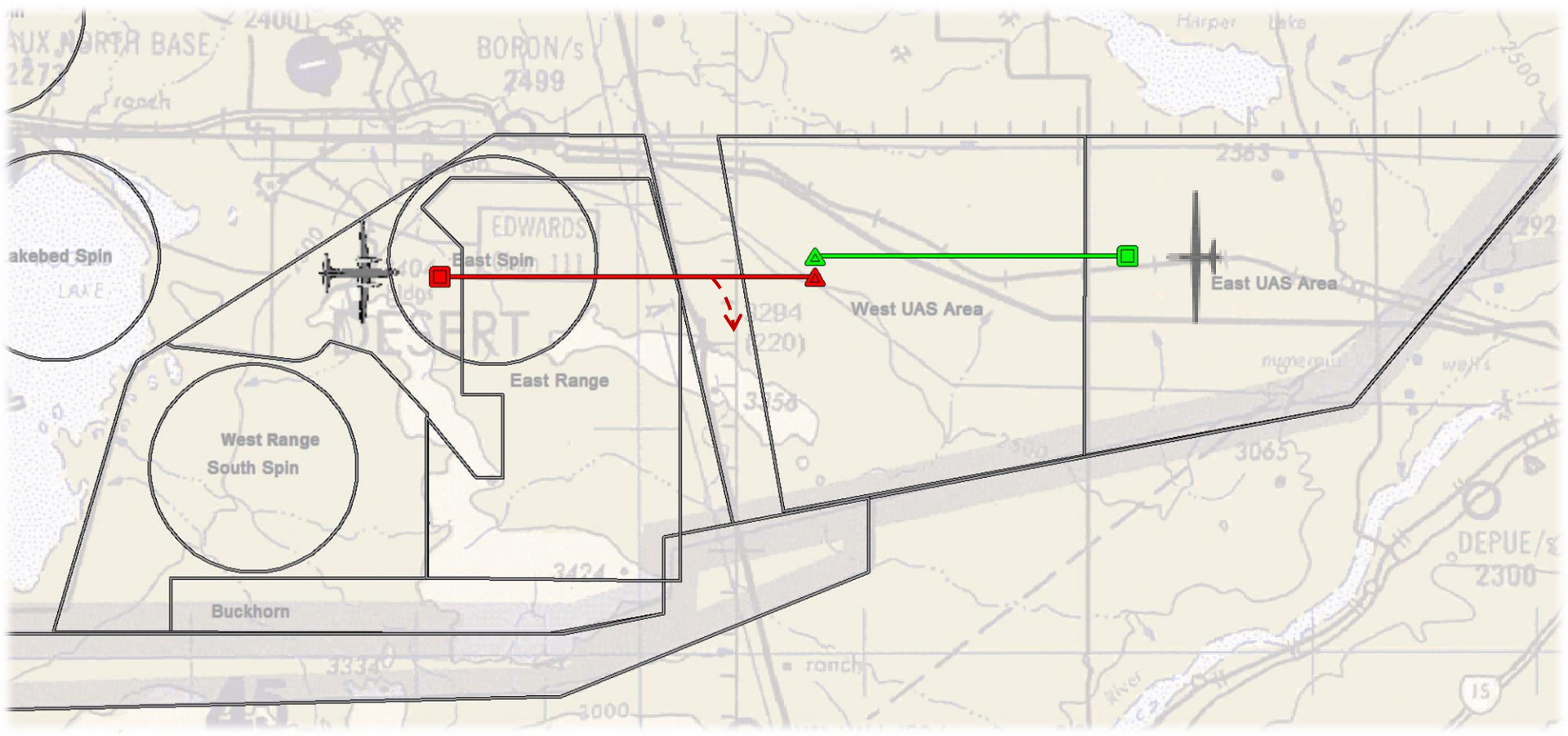


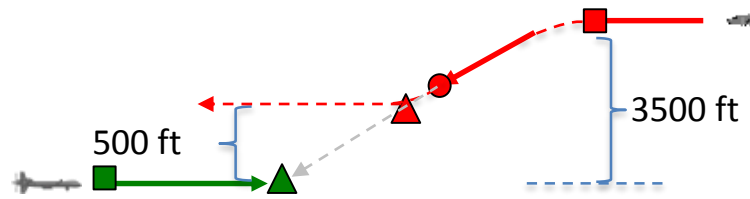
129_L32C



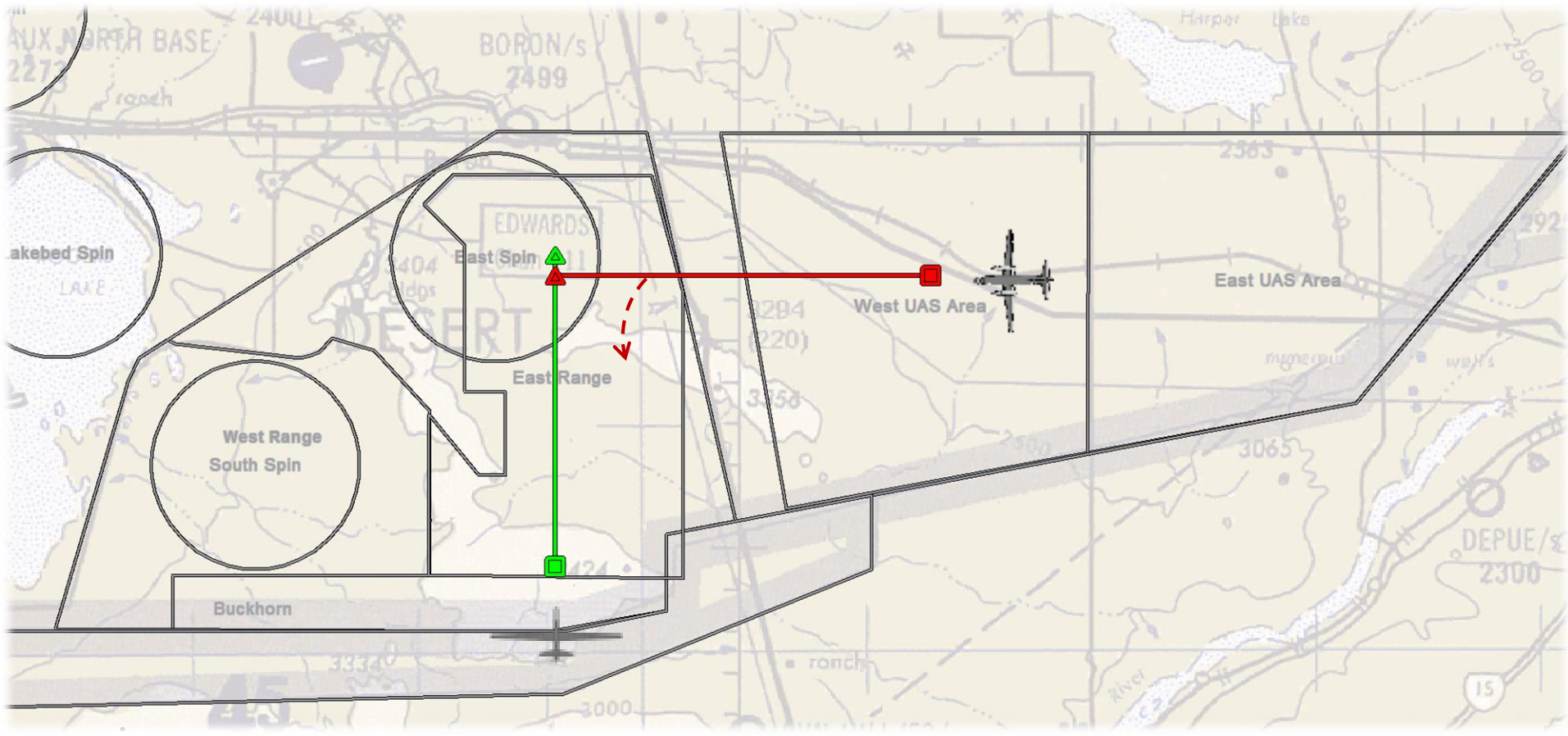


140_L55A





146_L54D



Flight 5

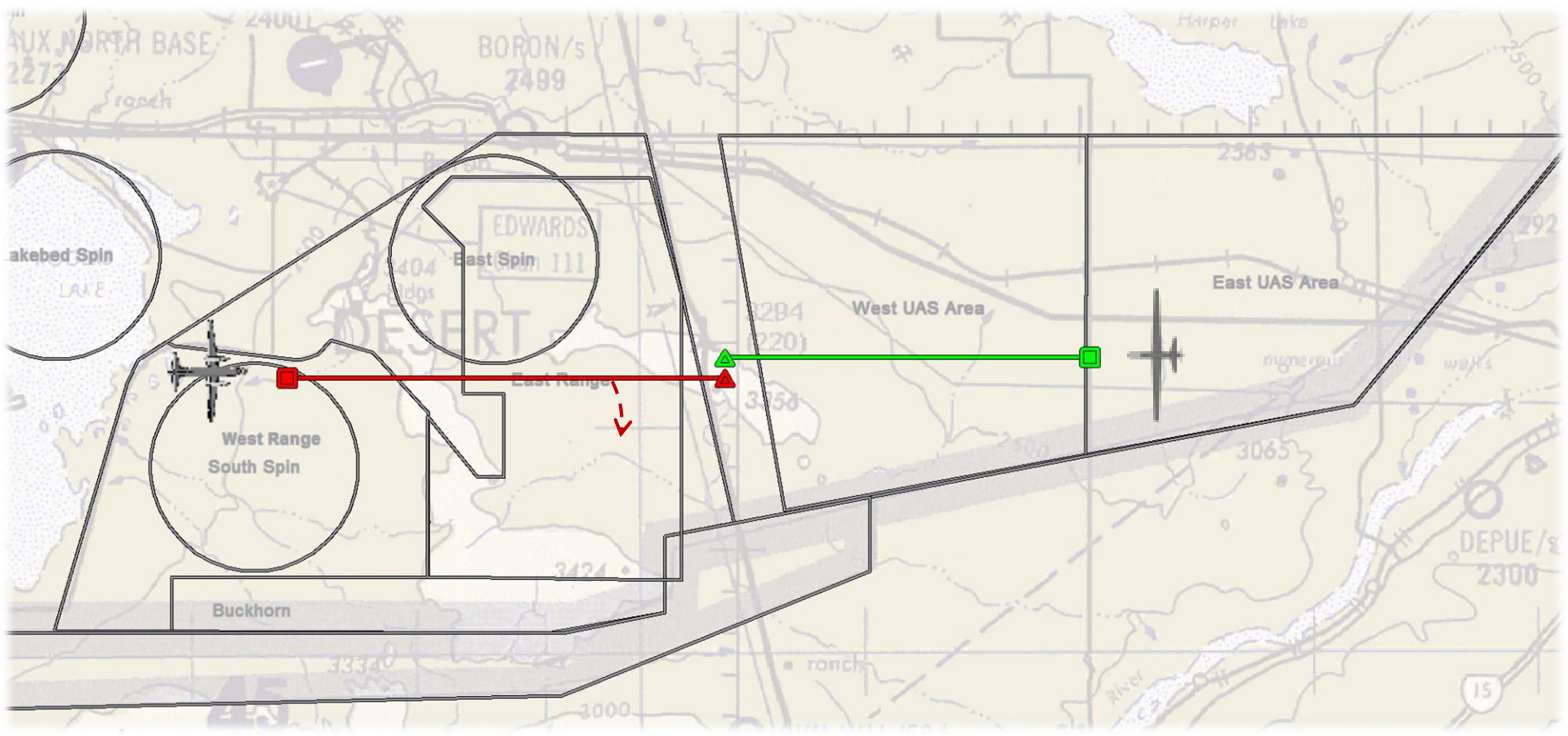
Card #	Scenario	Priority	Config	Ownship Maneuver	Intruder	Notes	
1	108 - L12A (2)	1	Low Altitude	Non-Maneuvering / Cooperative	N3GC	LOS unlikely	
2	107 - L12A (1)	1			N3GC	LOS unlikely	
3	112 - L11A (2)	1	Radar		N3GC	LOS unlikely	
4	111 - L11A (1)	1			N3GC	LOS unlikely	
5	164 - L42M	1	CPDS	Maneuver based on CPDS display	N3GC	Virtual Offset & ADVISORY	
6	165 - L52M (1)	1			N3GC	Virtual Offset & ADVISORY	
7	166 - L52M (2)	1		Intruder turns in front or behind Ownship	N3GC	Virtual Offset & ADVISORY	
8	167 - L52M (3)	1			N3GC	Virtual Offset & ADVISORY	
9	168 - L52M (4)	1			N3GC	Virtual Offset & ADVISORY	
10	169 - M79X (1)	1	CPDS	Maneuver based on CPDS display	N3GC/865		
11	170 - M79X (2)	1			N3GC/865		
12	171 - M79X (3)	1			N3GC/865		
13	160 - M67Q	1	TCAS Sequential	Manual	N3GC/865		
		1		Manual	N3GC/865		
		1		Auto	N3GC/865		
16	161 - M68Q	1		Manual	N3GC/865		
		1		Manual	N3GC/865		
		1		Auto	N3GC/865		
19	132 - L31A	1		TCAS	Manual		
20	132 - L31A	1			Auto		
		1	Manual				
		1	Auto				
		1	Manual				
		1	Auto				
		1	Manual				
		1	Auto				

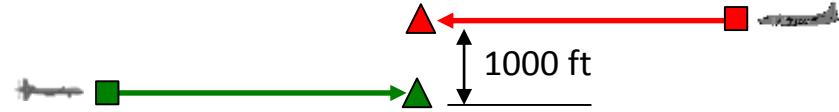
Flight 5

CPDS

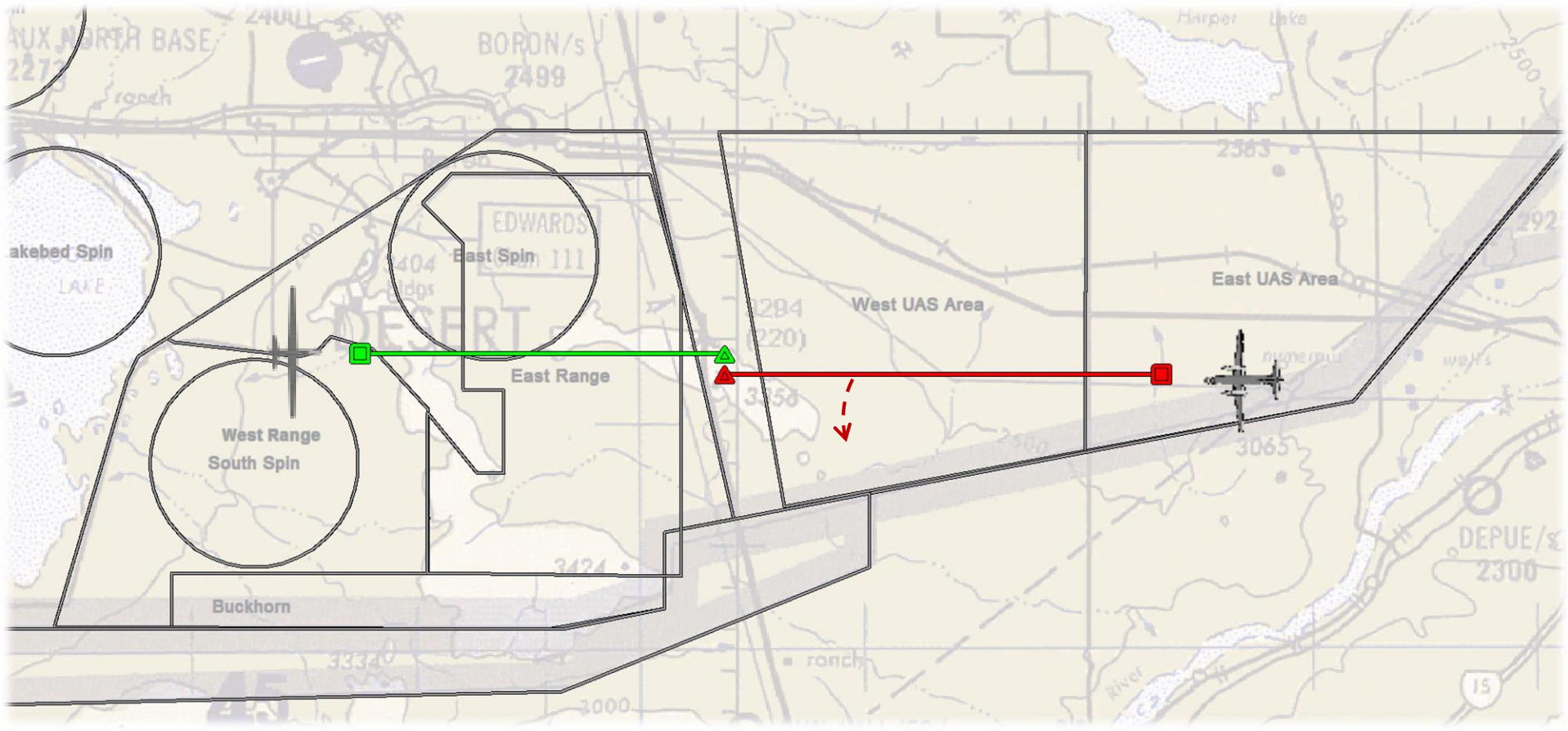


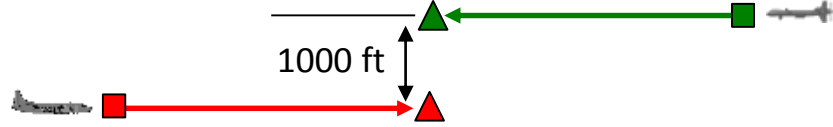
107_L12A



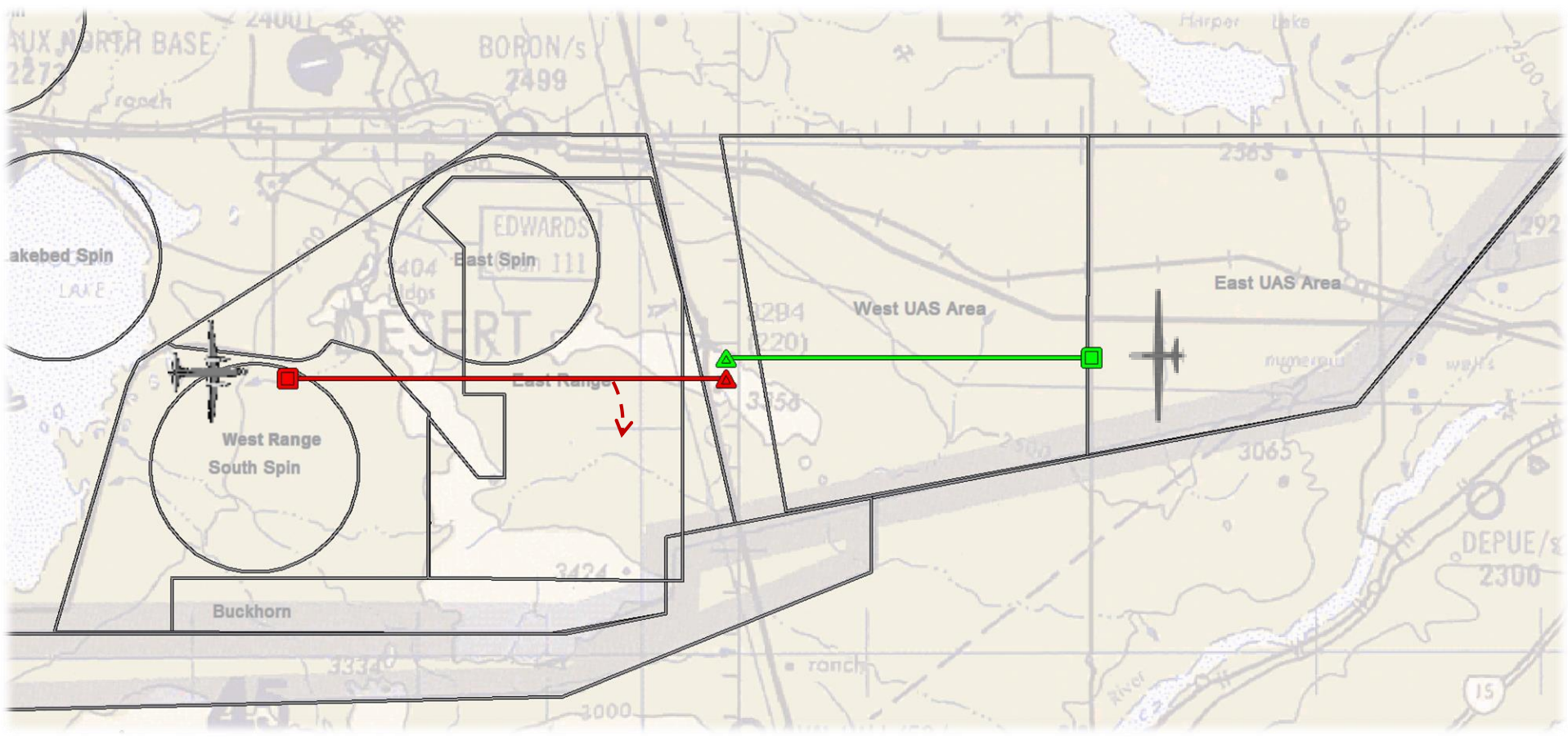


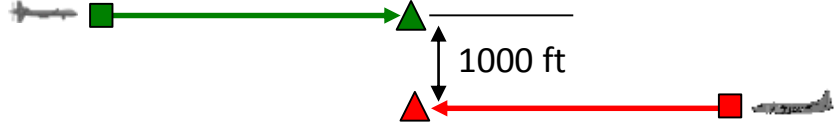
108_L12A



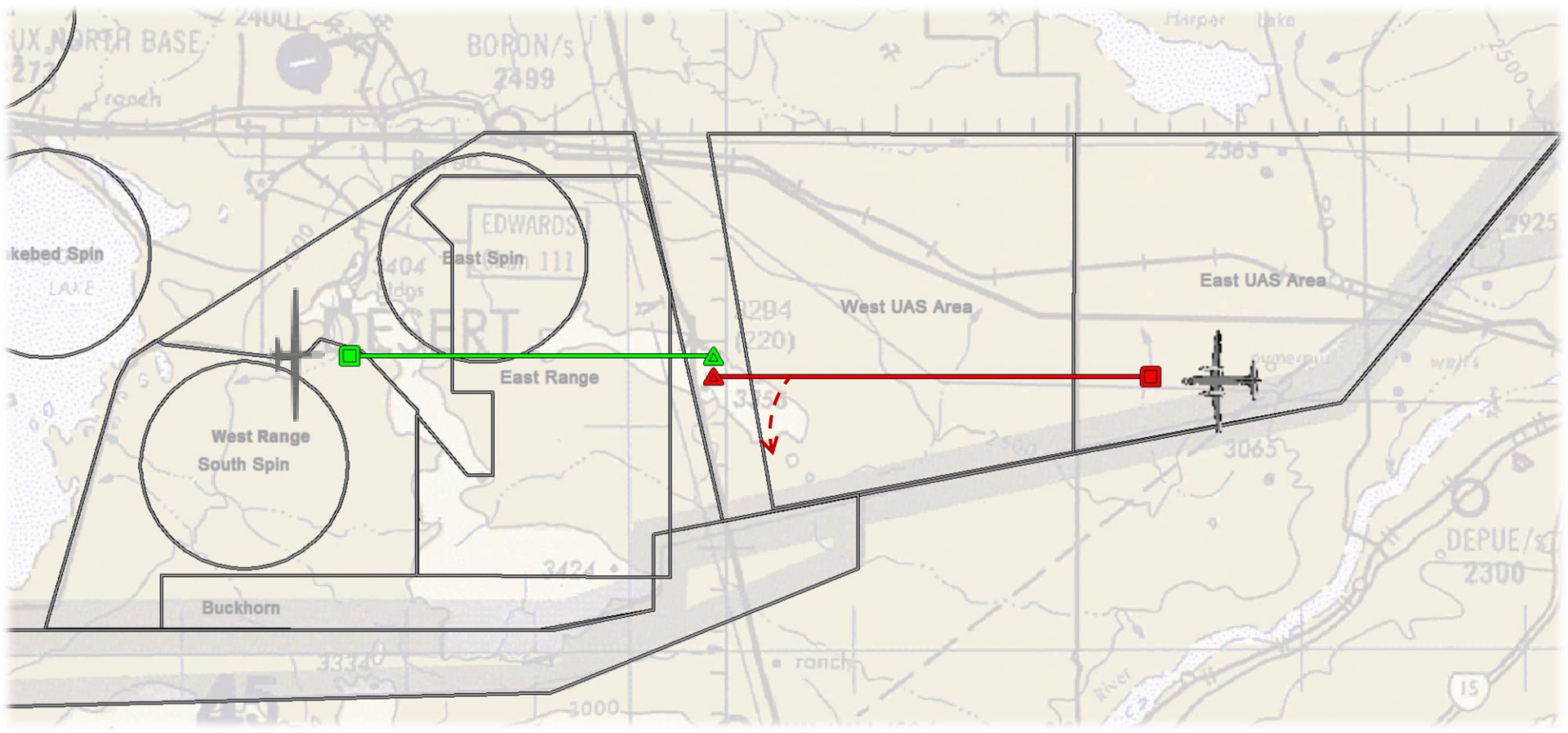


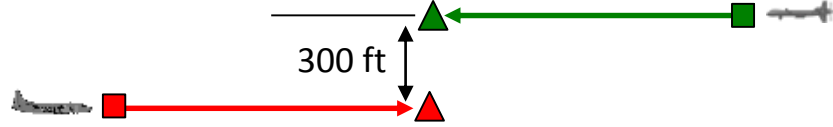
111_L11A



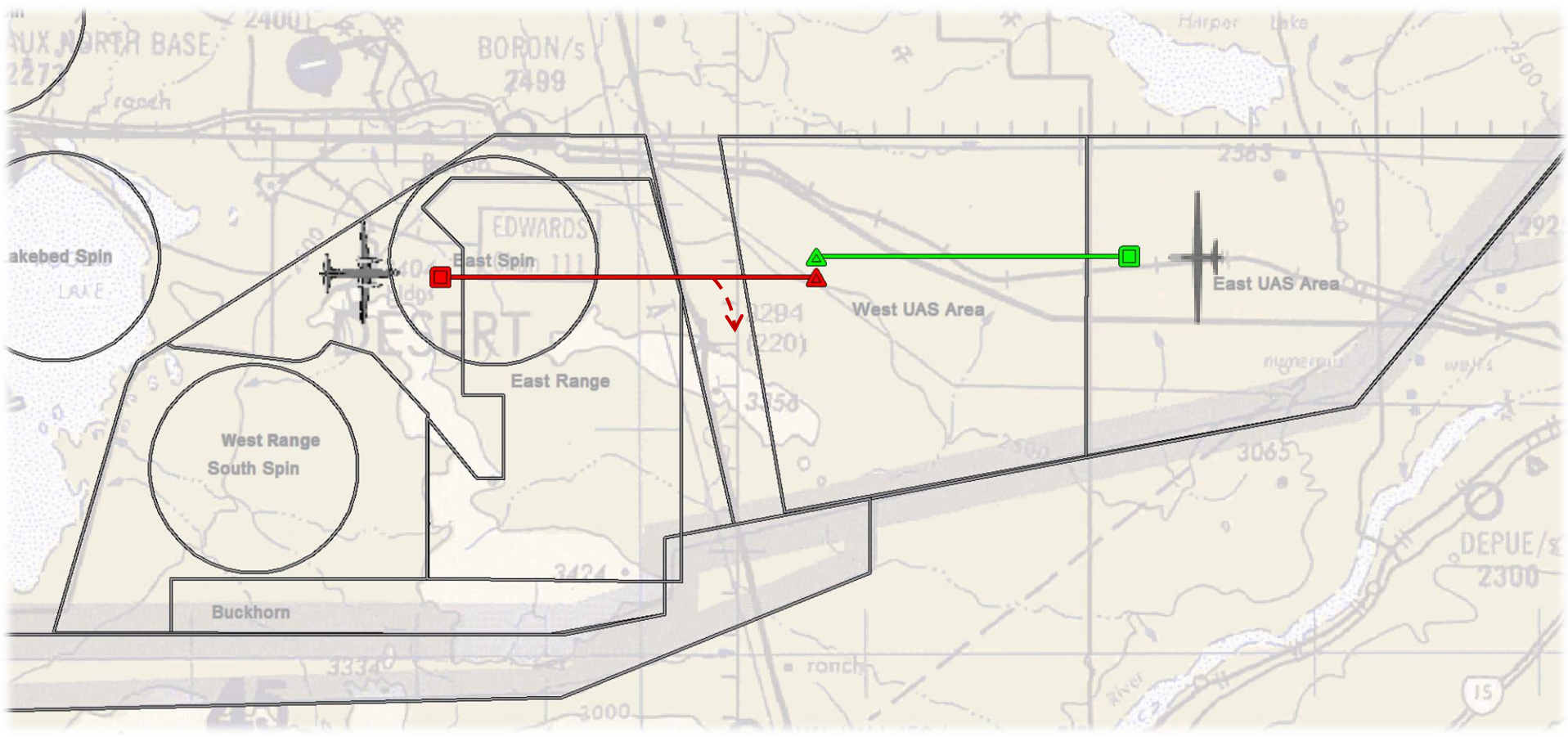


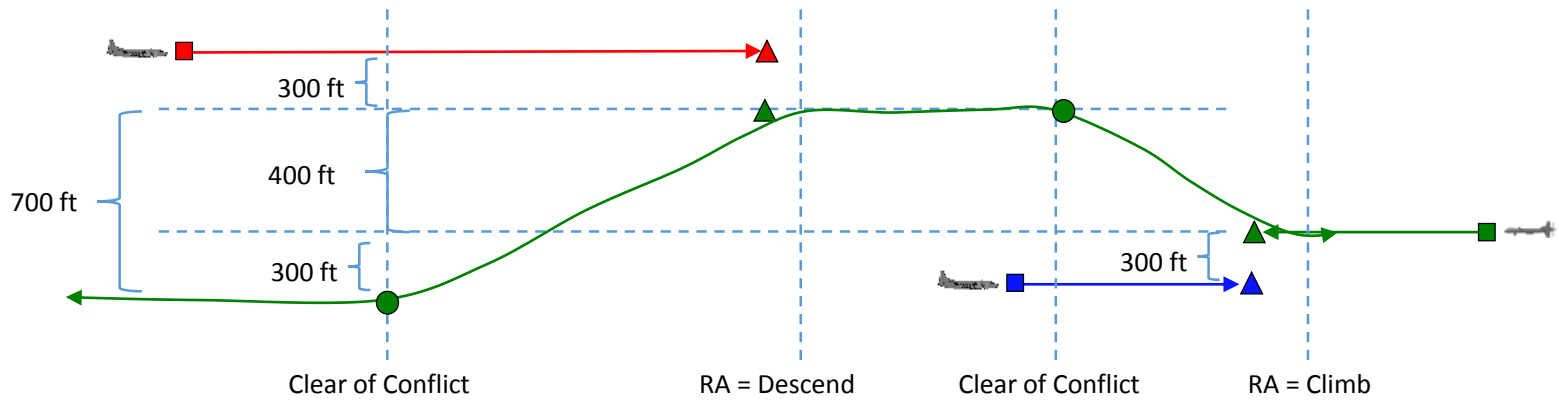
112_L11A



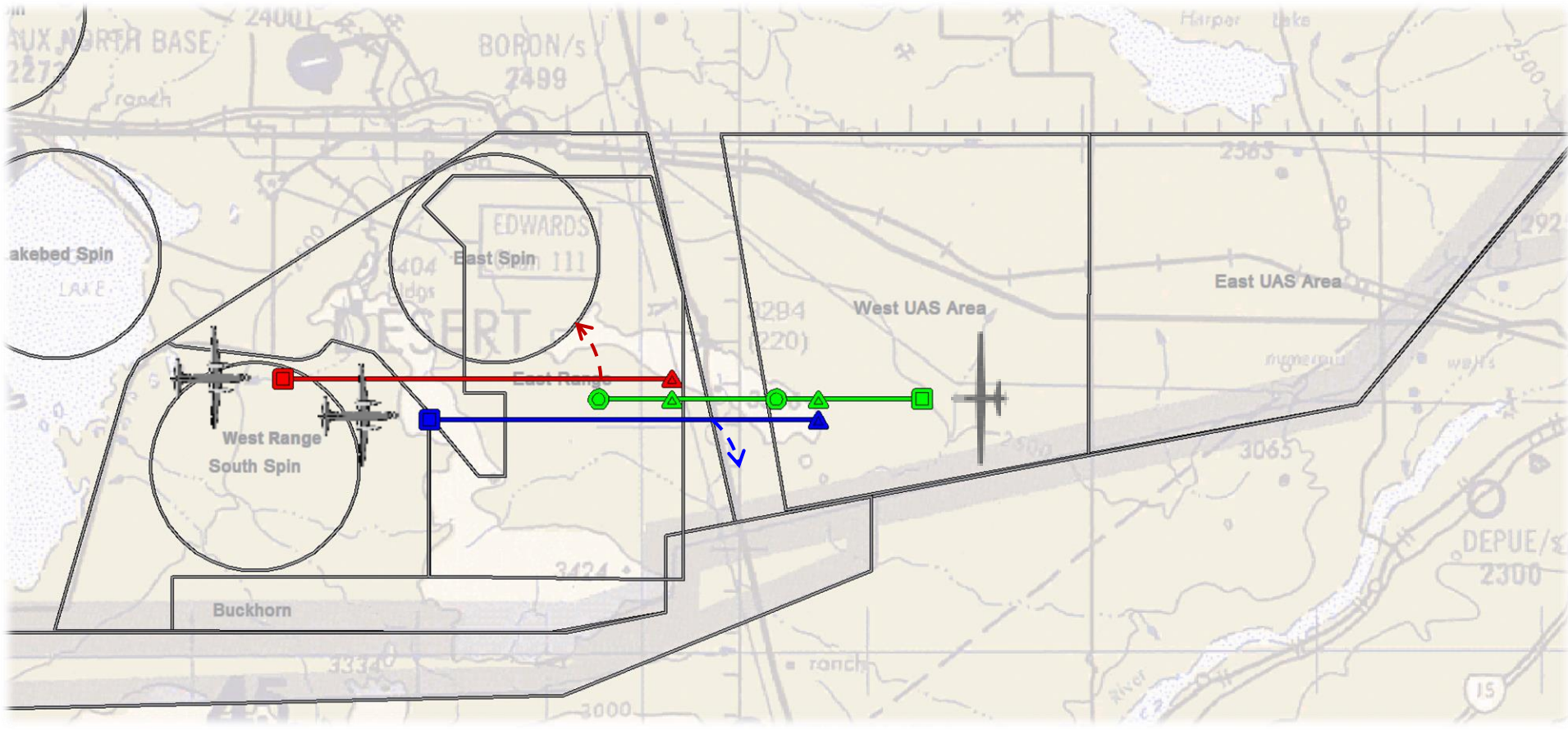


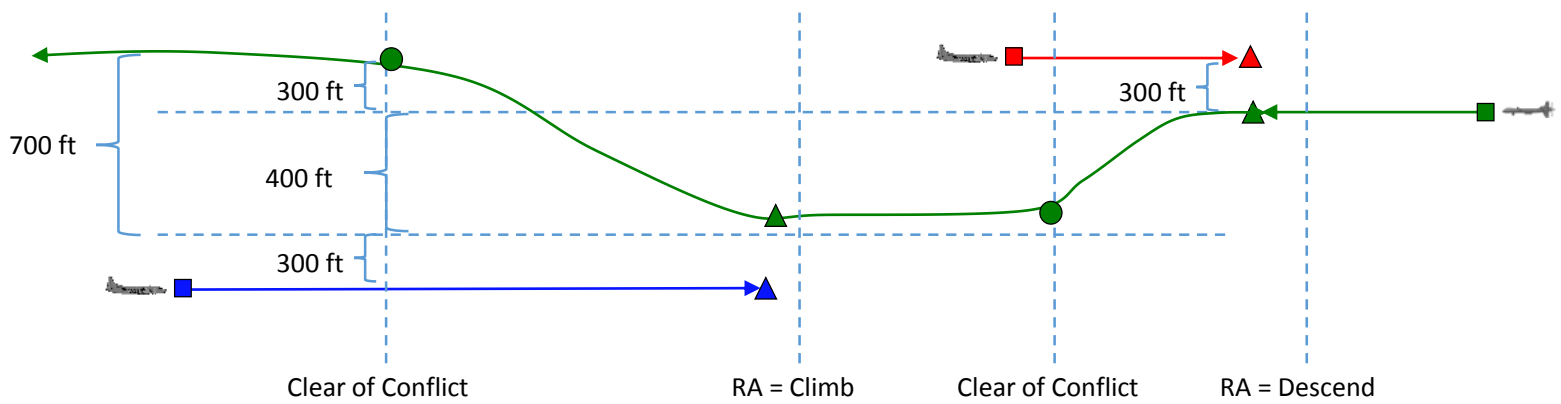
132_L31A



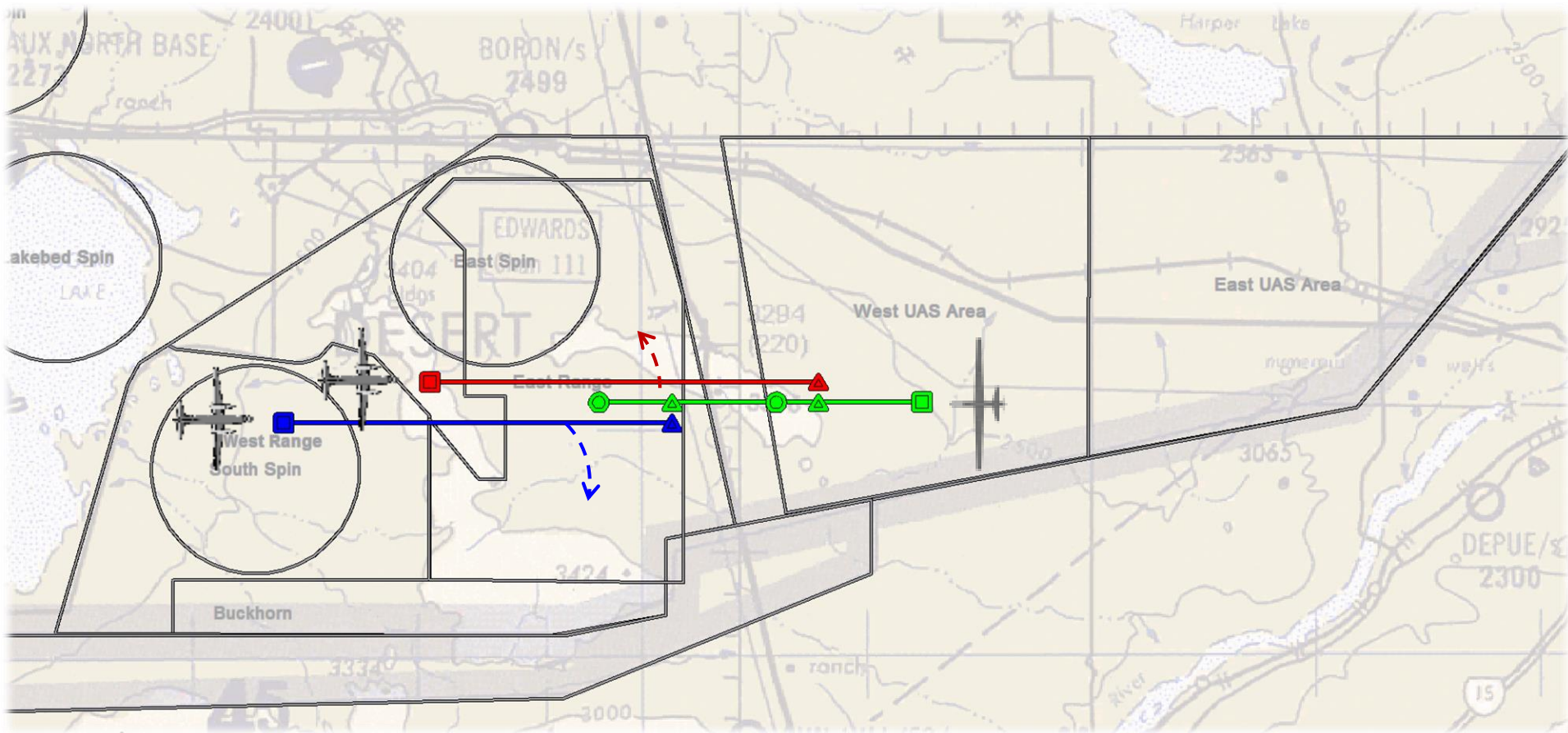


160_M67Q



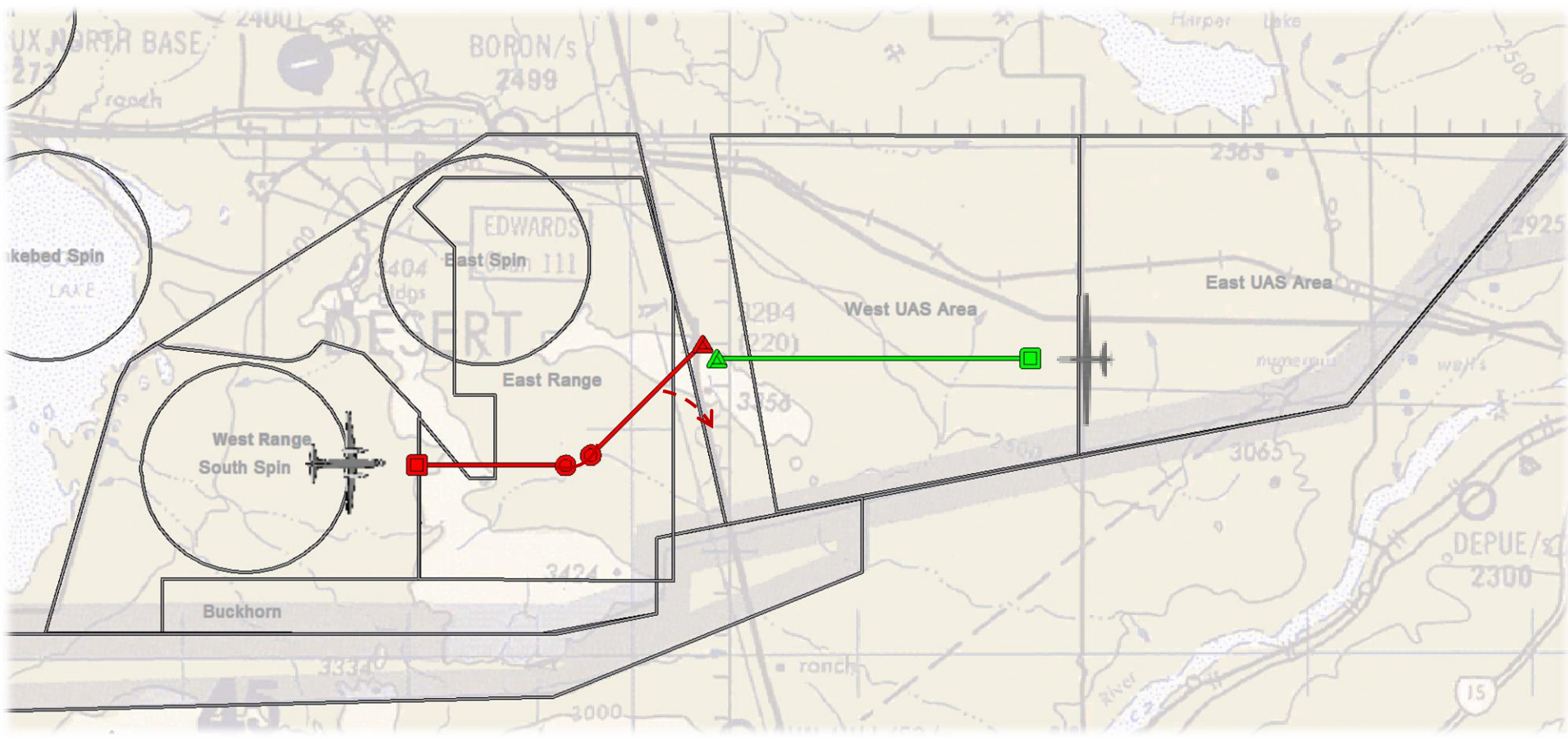


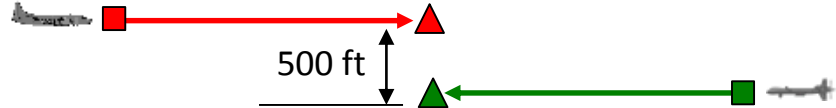
161_M68Q



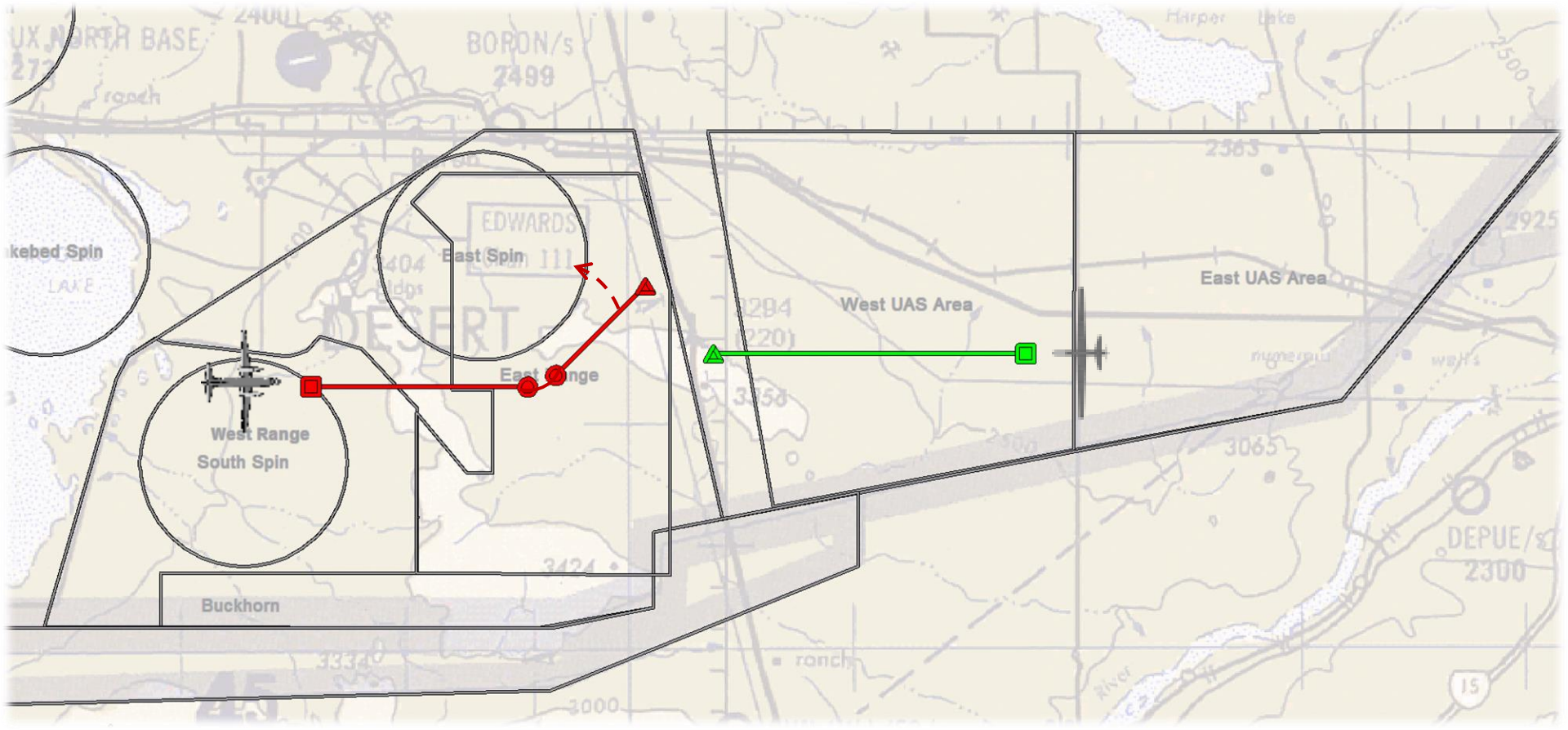


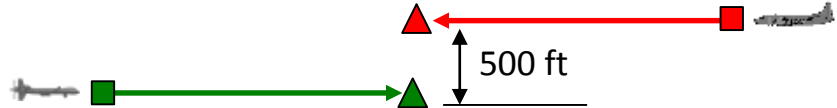
164_L42M



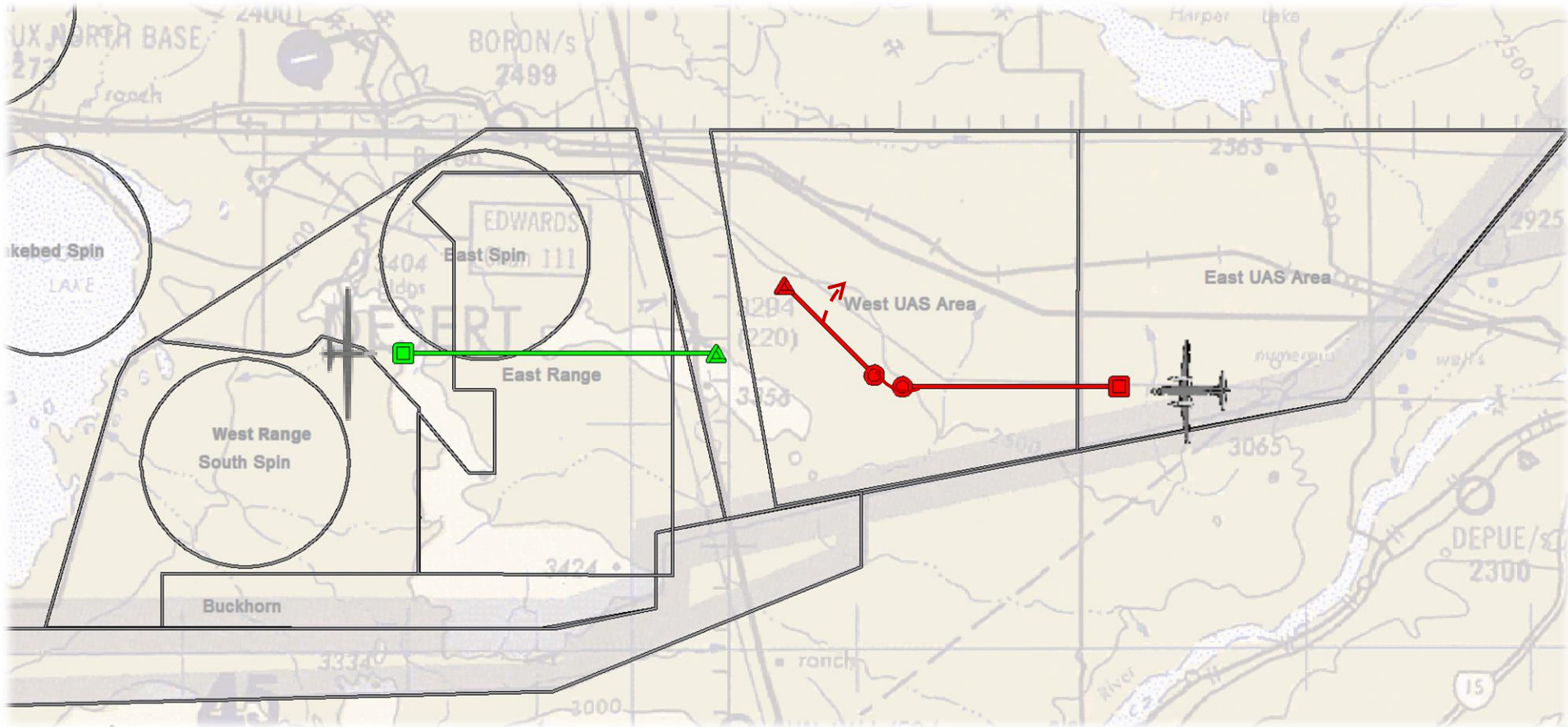


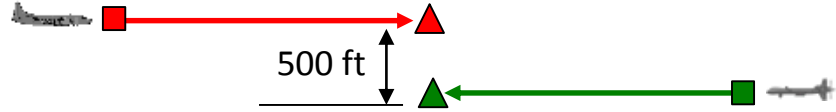
165_L52M



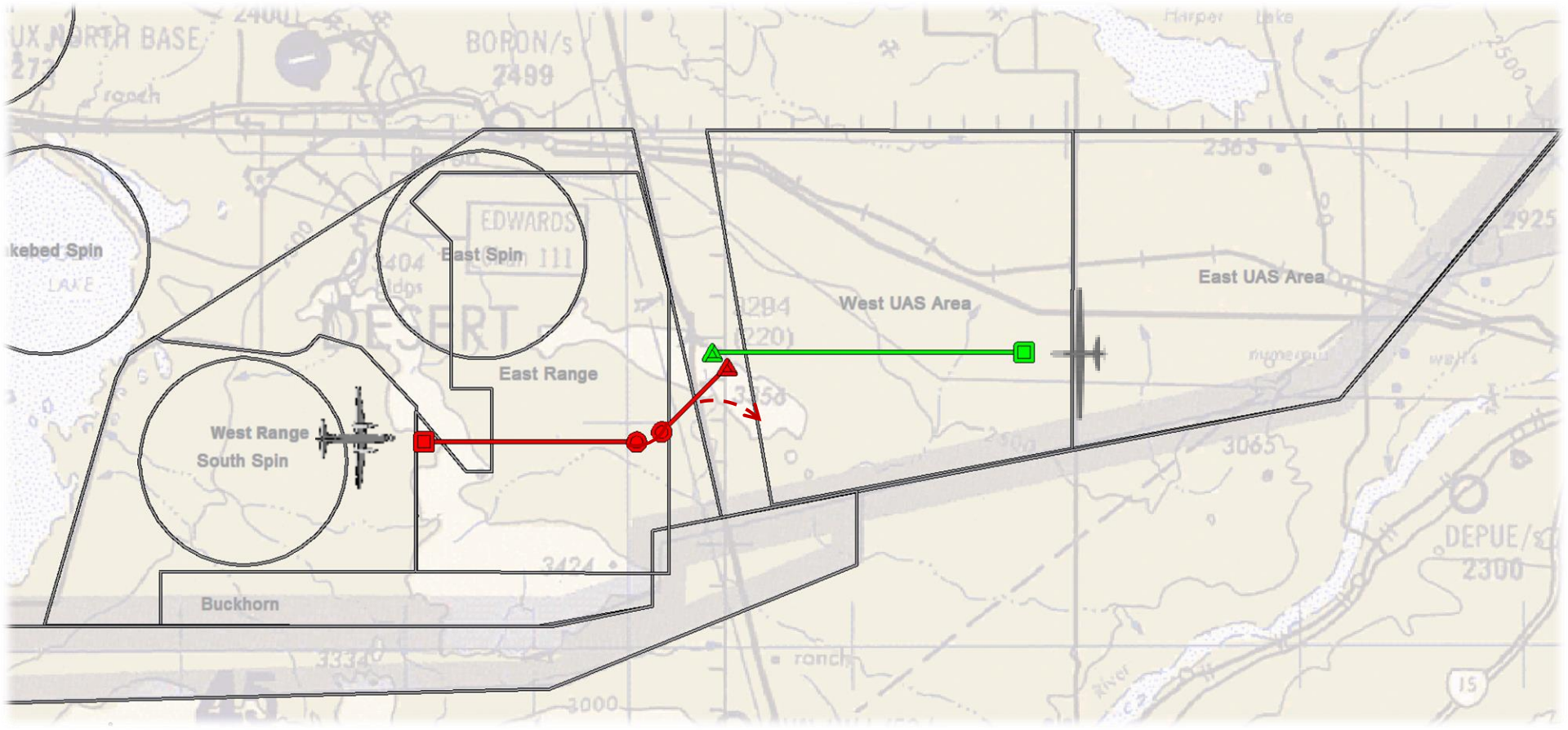


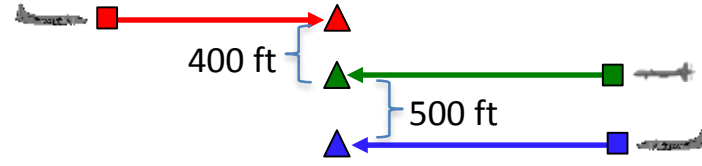
166_L52M



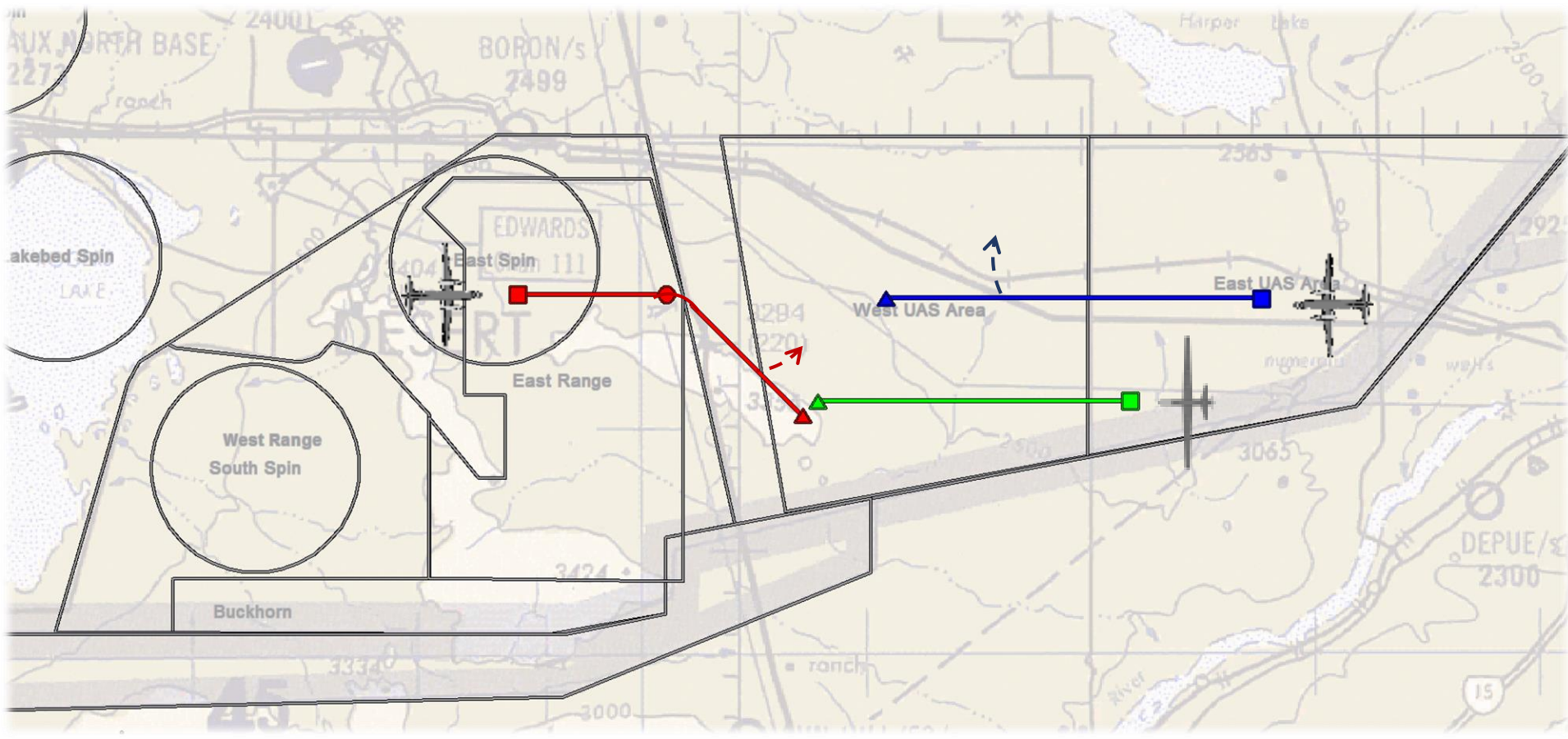


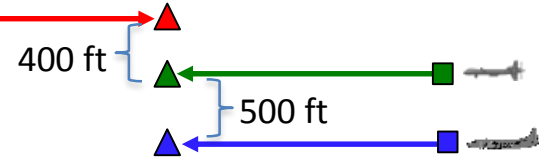
168_L52M



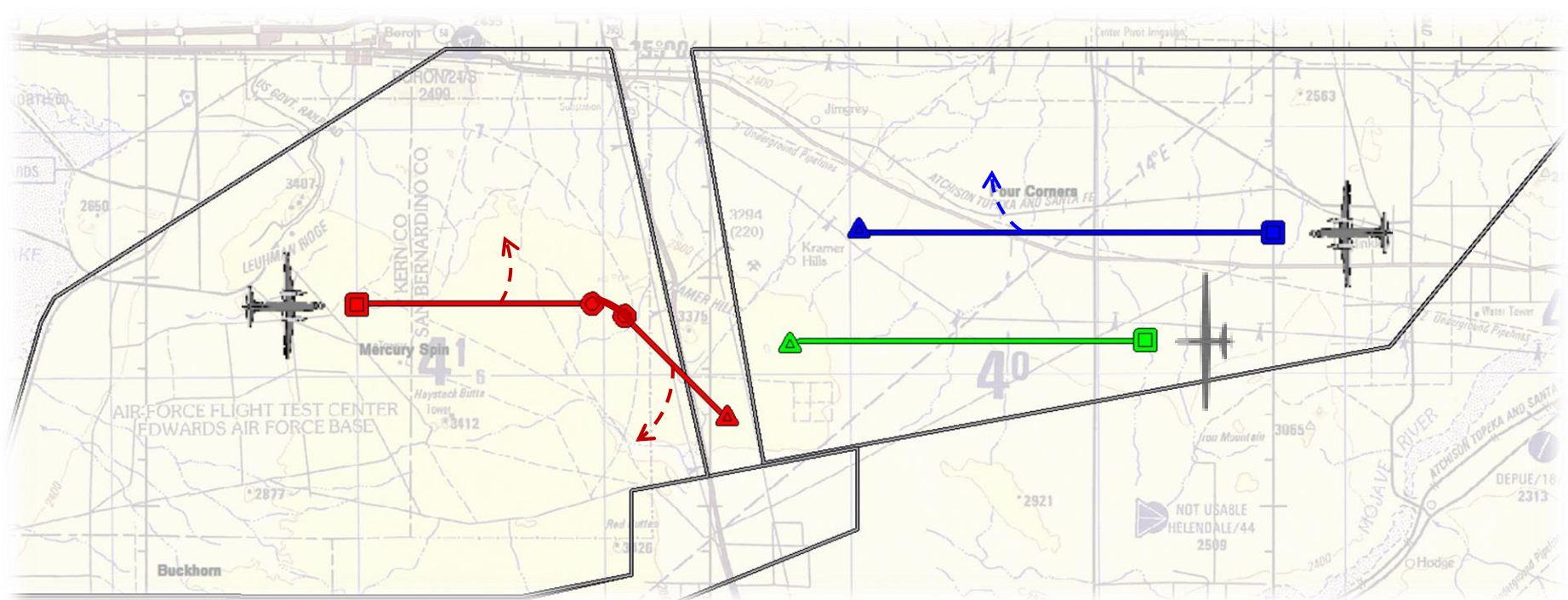


169_M79X





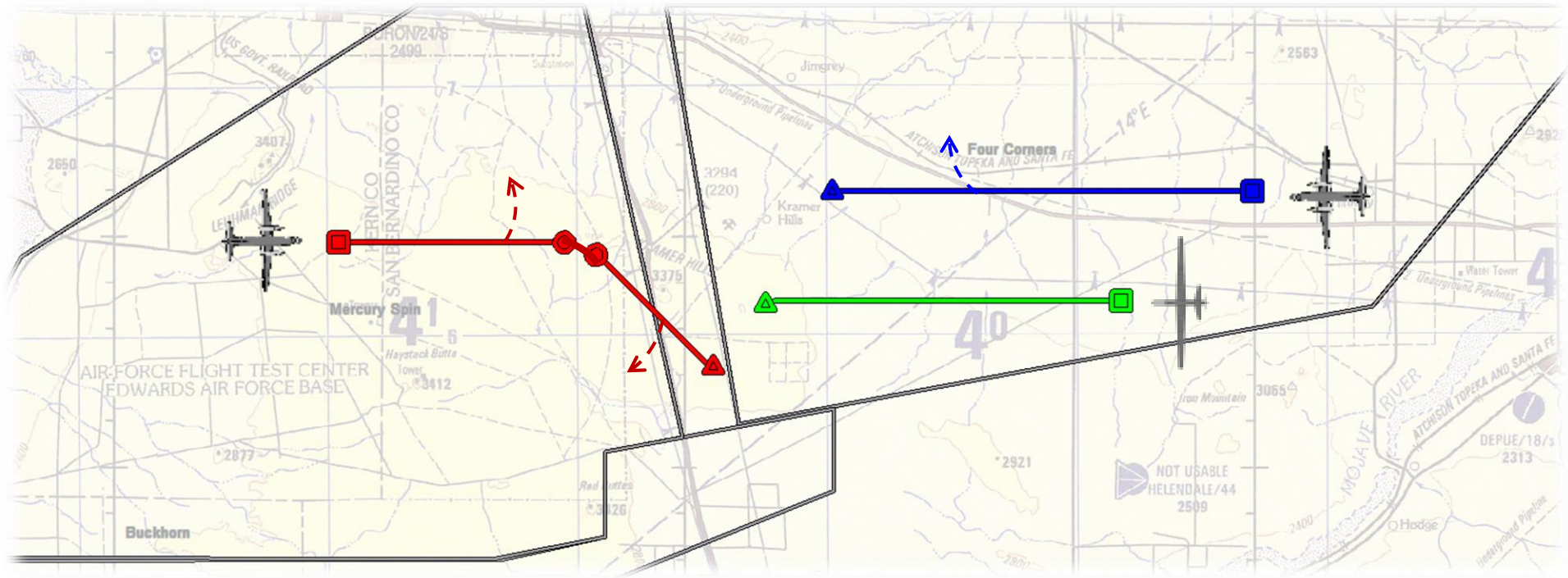
170_M79X



400 ft

500 ft

171_M79X



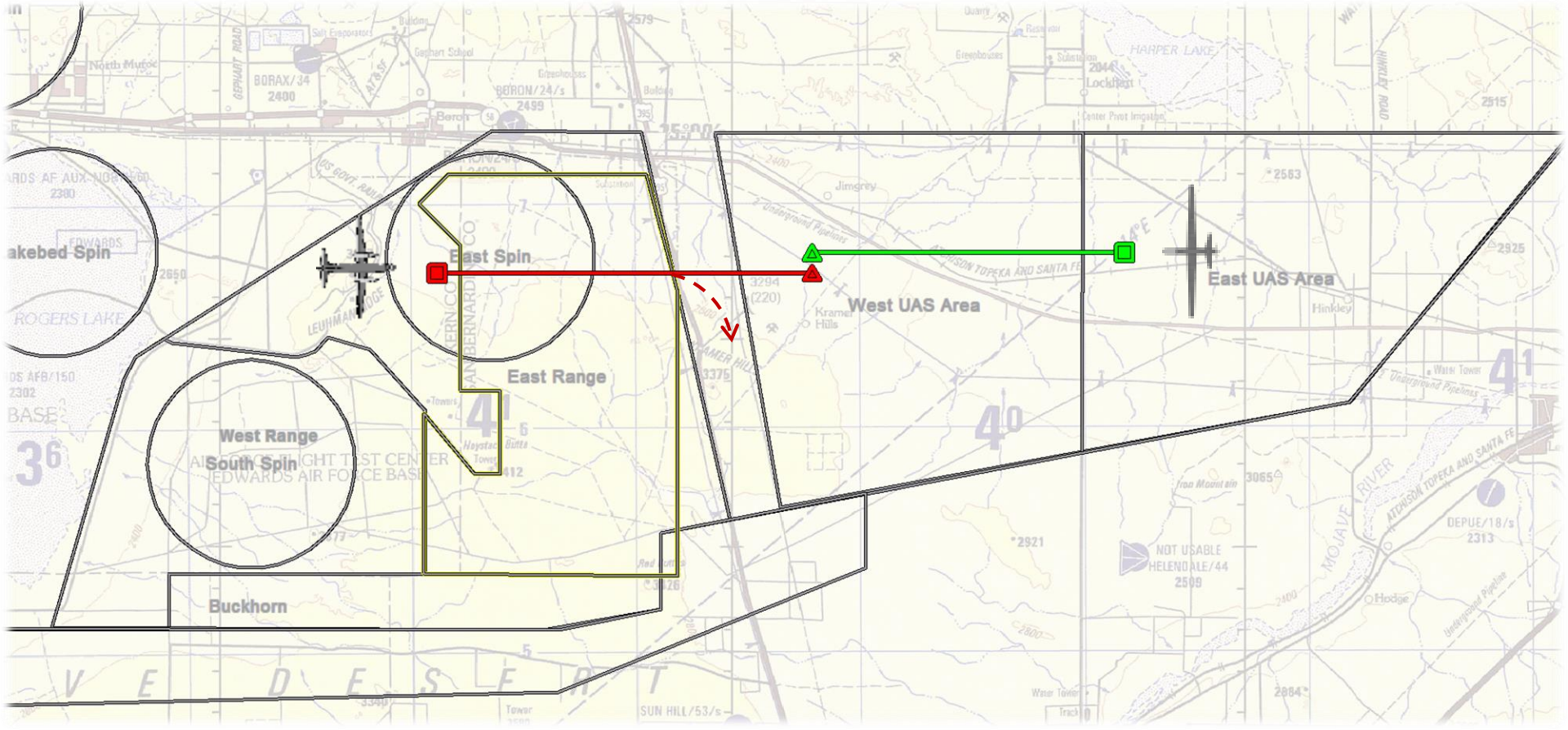
Flight 6

Stratway+

Card #	Scenario	Priority	Configuraton	Ownship	Manuever	Intruder	Notes
X	Altimeter Calibration					N3GC	
1	25 - L53C	1	Stratway+		Follow Stratway+ Display	N3GC	
2	46 - L53D	1		Follow Stratway+ Display	N3GC		
3	68 - L53F	1		Follow Stratway+ Display	N3GC		
4	26 - L54C	1		Follow Stratway+ Display	N3GC		
5	47 - L54D	1		Follow Stratway+ Display	N3GC		
6	69 - L54F	1		Follow Stratway+ Display	N3GC		
7	5 - L56A	1		Follow Stratway+ Display	N3GC		
8	6 - L56B	1		Follow Stratway+ Display	N3GC		
9	23 - L56C	1		Follow Stratway+ Display	N3GC		
10	44 - L56D	1		Follow Stratway+ Display	N3GC		
11	66 - L56F	1		Follow Stratway+ Display	N3GC		
12	1 - L42A	1		Follow Stratway+ Display	N3GC		
13	2 - L42B	1		Follow Stratway+ Display	N3GC		
14	21 - L42C	1		Follow Stratway+ Display	N3GC		
15	42 - L42D	1		Follow Stratway+ Display	N3GC		
16	64 - L42F	1		Follow Stratway+ Display	N3GC		
17	20 - L32A	1		Follow Stratway+ Display	N3GC		
18	31 - L32C	1		Follow Stratway+ Display	N3GC		
19	51 - L32D	1		Follow Stratway+ Display	N3GC		
20	68 - L53F	2		Follow Stratway+ Display	N3GC		
21	69 - L54F	2		Follow Stratway+ Display	N3GC		
		2	Follow Stratway+ Display	N3GC			
		2	Follow Stratway+ Display	N3GC			
		2	Follow Stratway+ Display	N3GC			
		1	Follow Stratway+ Display	N3GC			
		1	Follow Stratway+ Display	N3GC			
		1	Follow Stratway+ Display	N3GC			
		1	Follow Stratway+ Display	N3GC			
		1	Follow Stratway+ Display	N3GC			
		2	None - Fly Through	N3GC	90°		
		2	CPDS Display None - Fly Through	N3GC	110°		
		2	None - Fly Through	N3GC	90°		

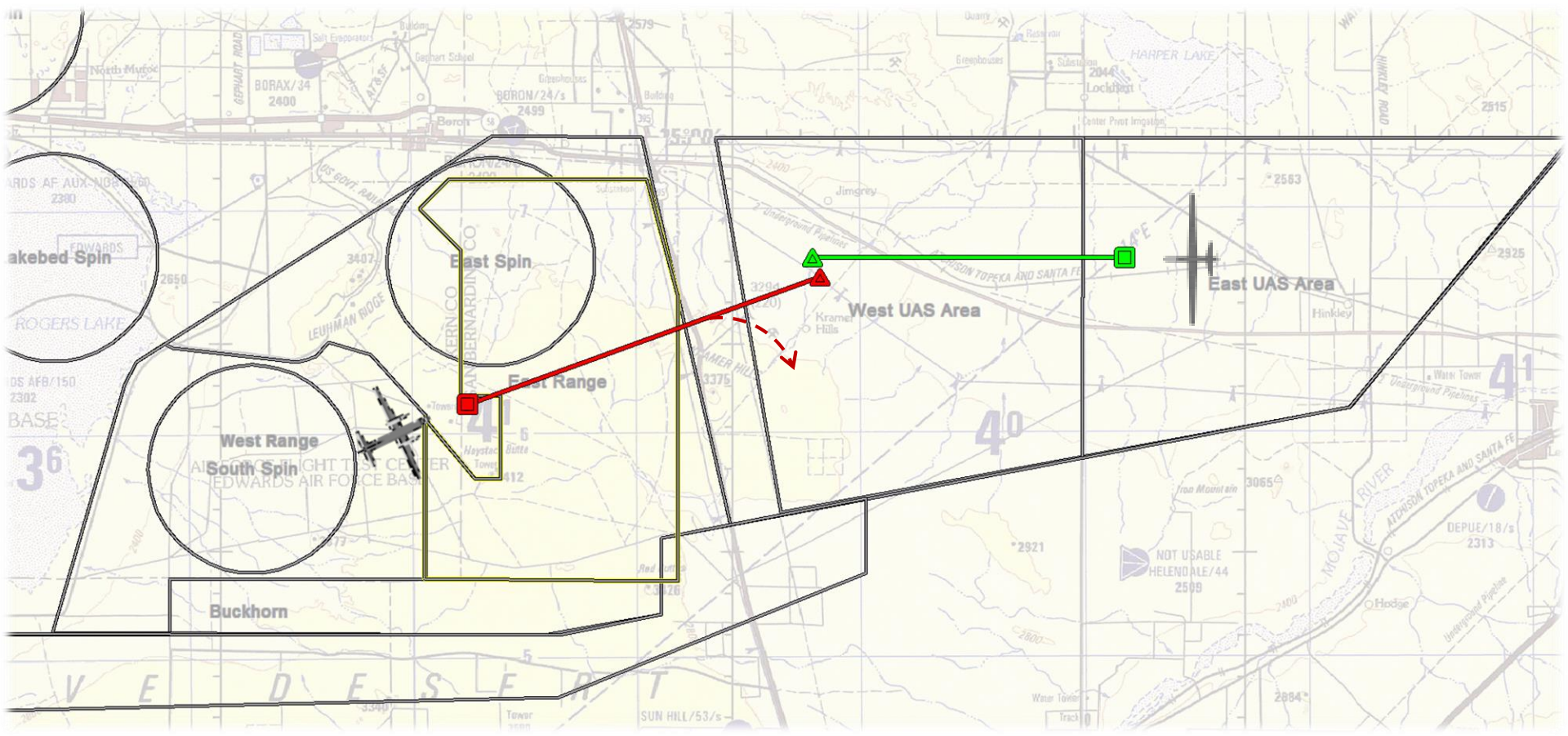


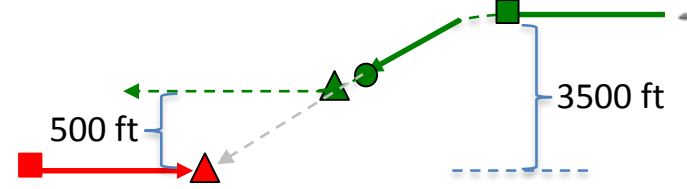
1_L42A



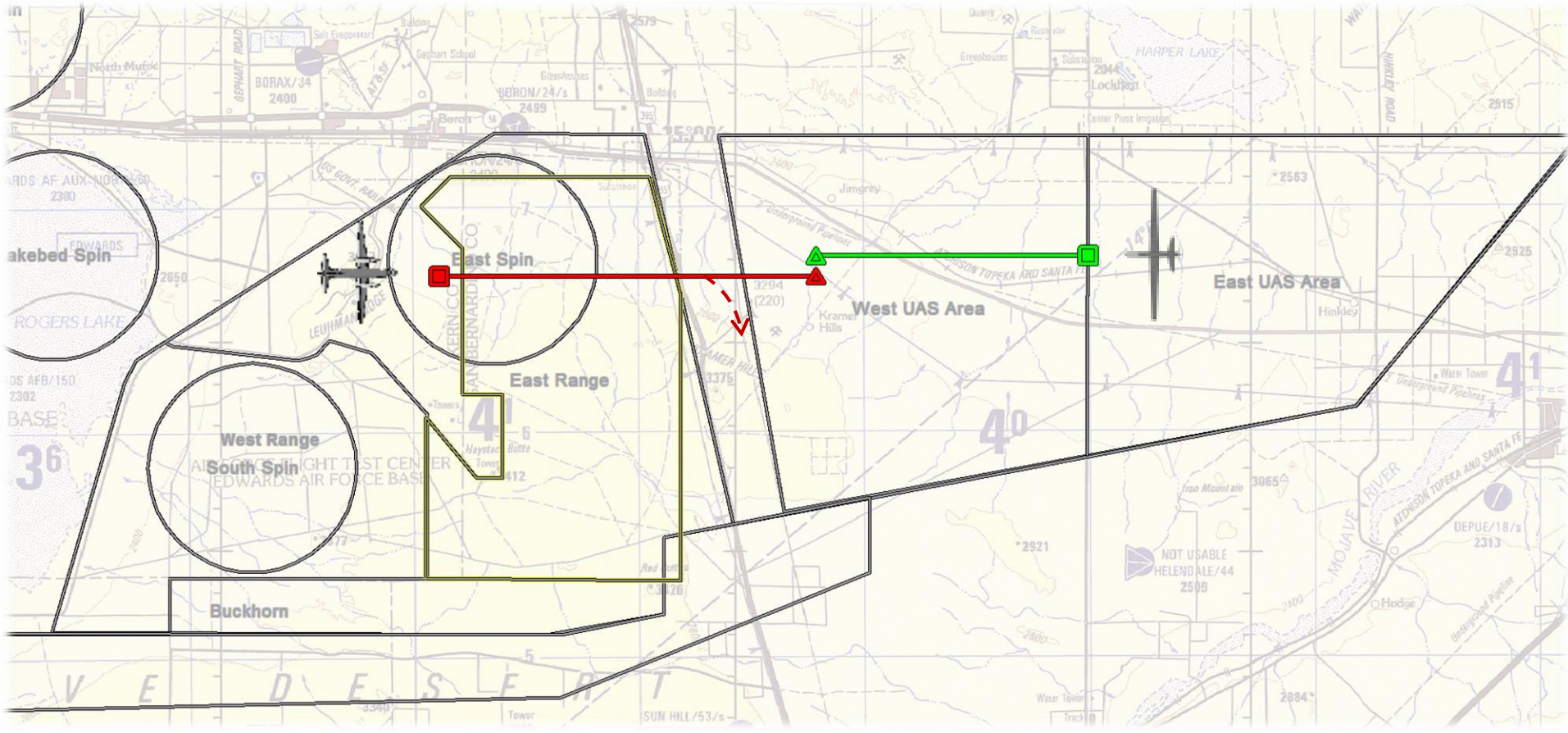


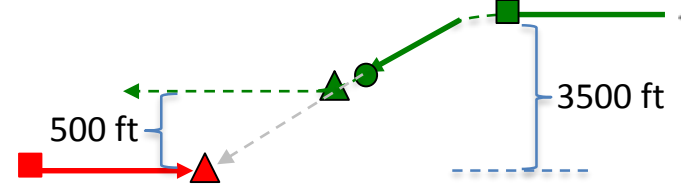
2_L42B



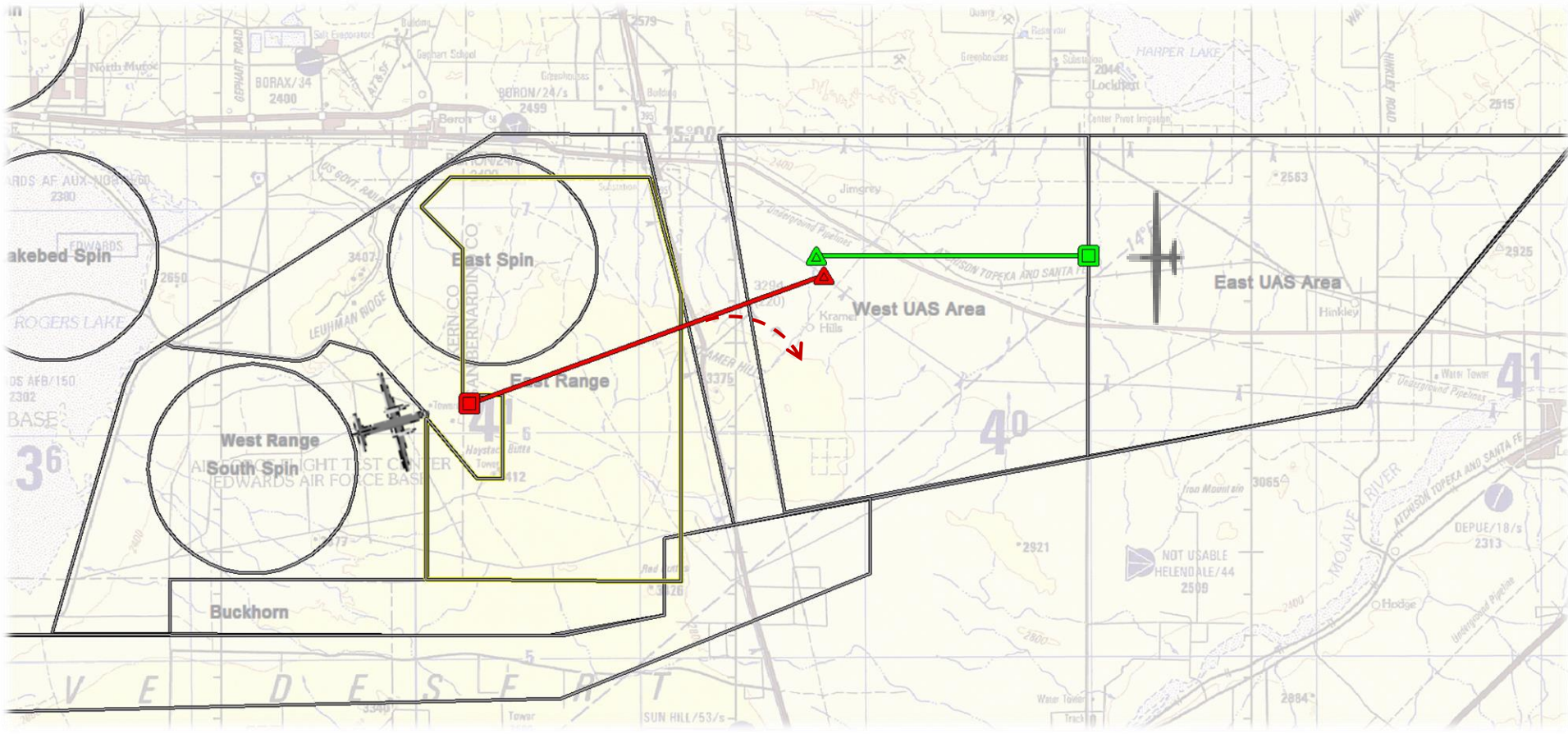


5_L56A



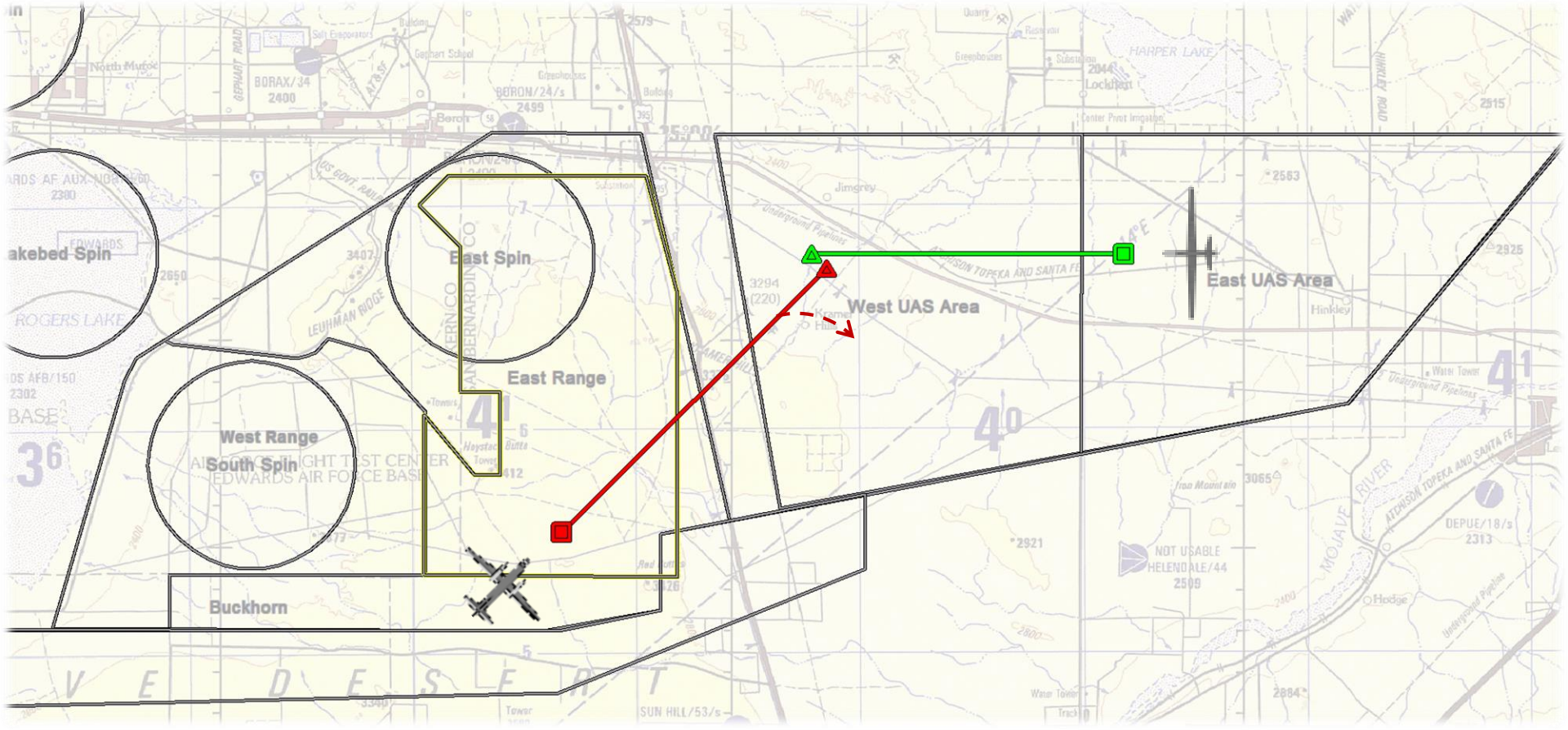


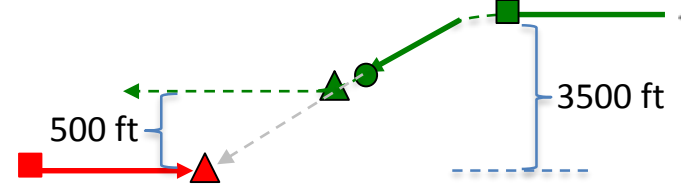
6_L56B



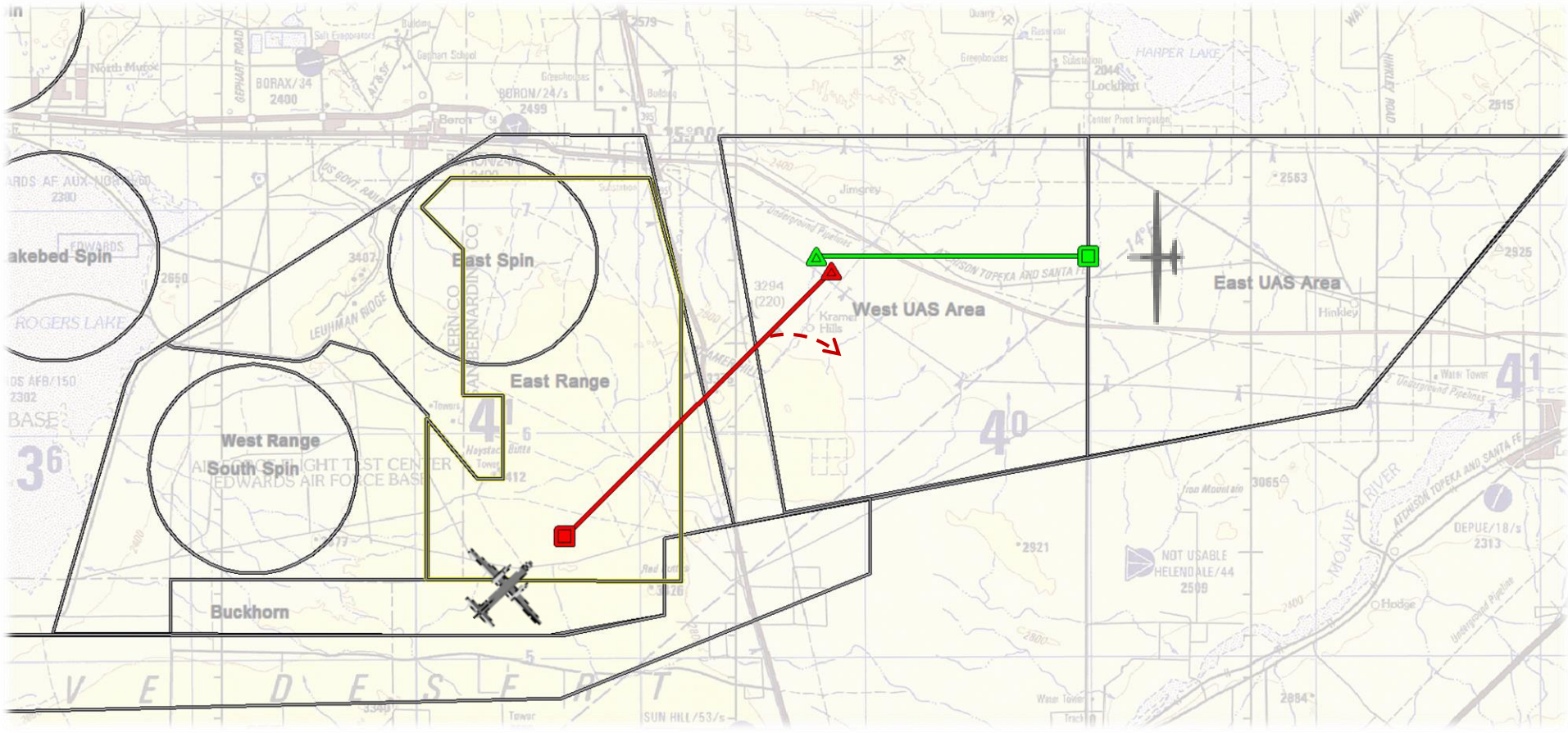


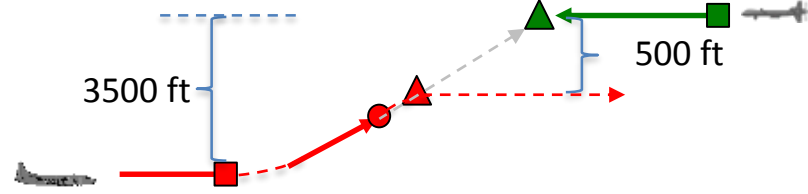
21_L42C



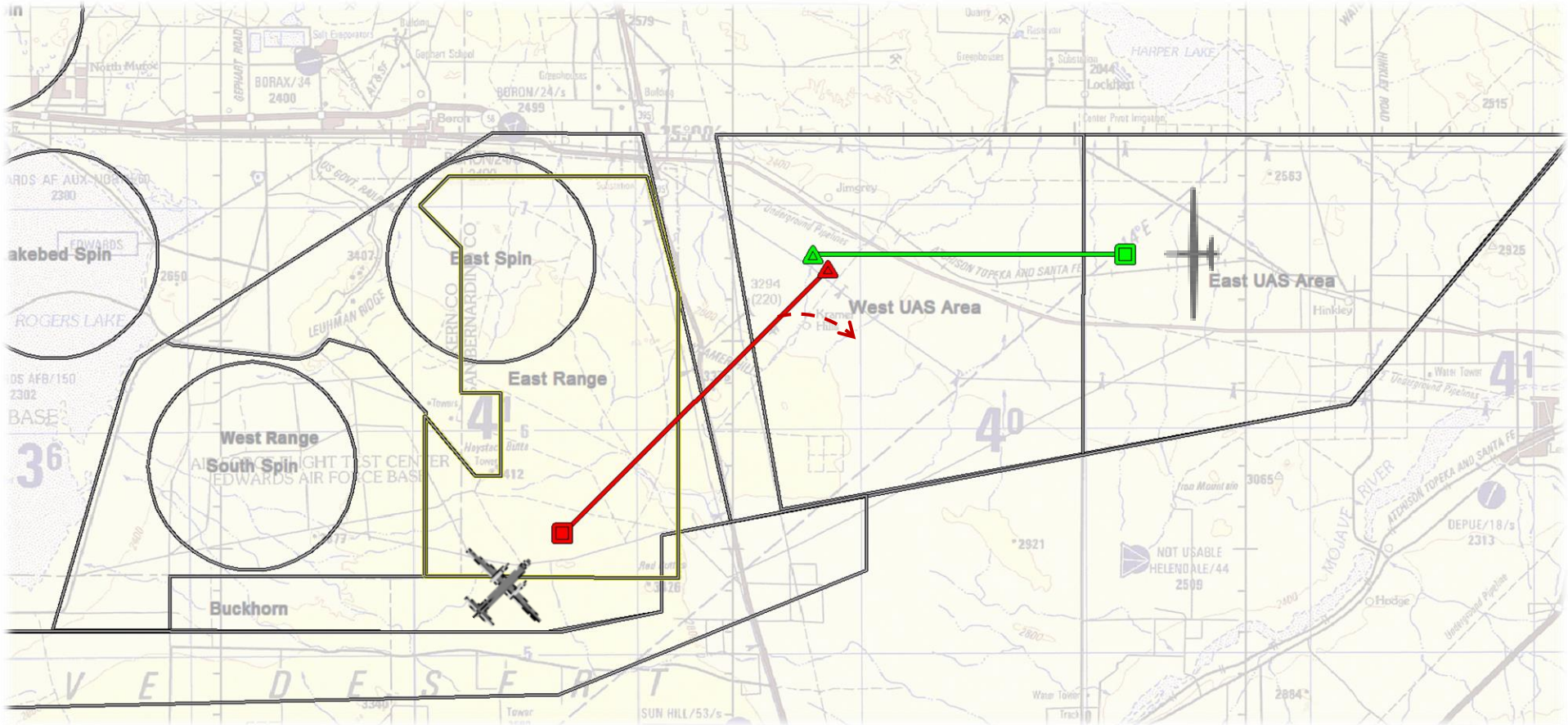


23_L56C



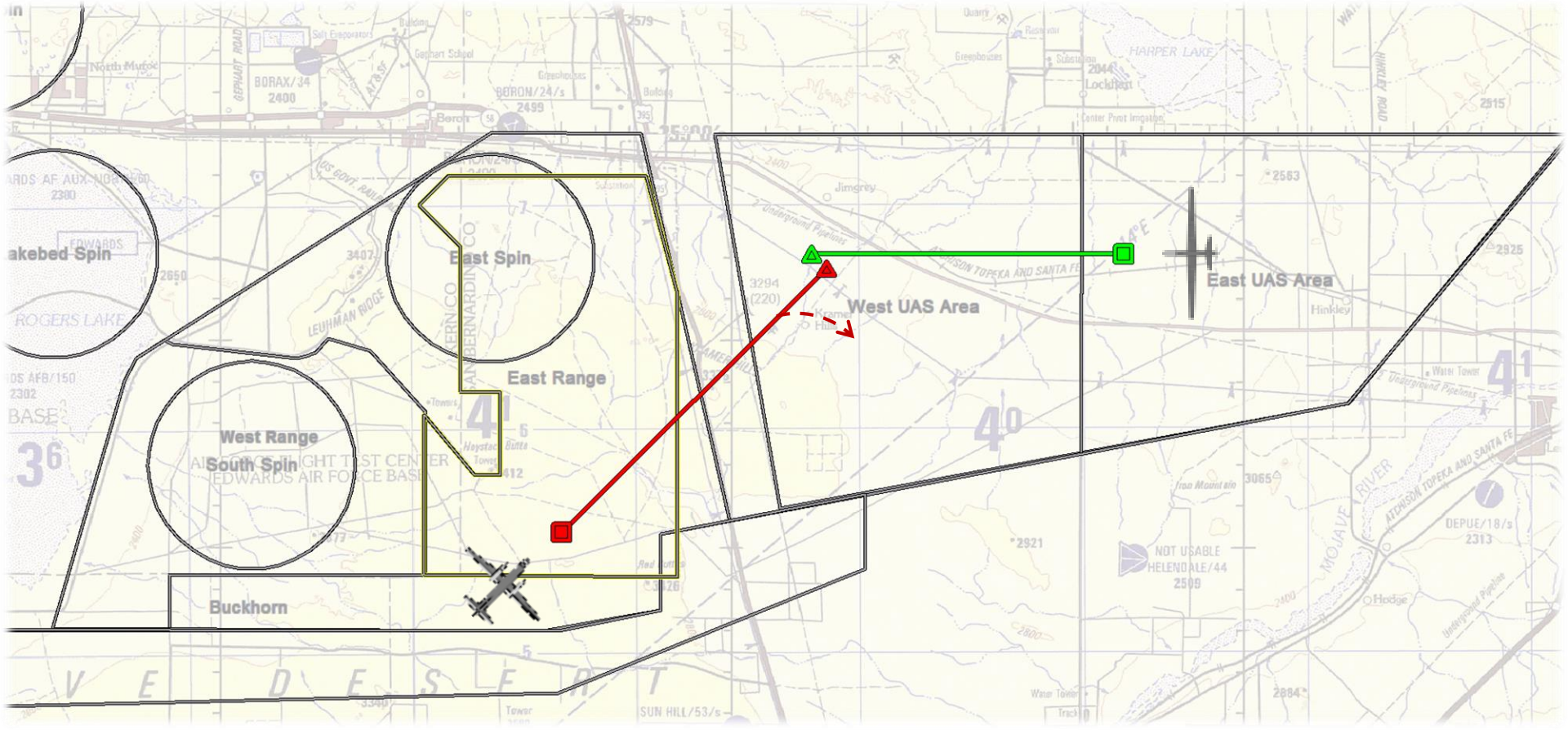


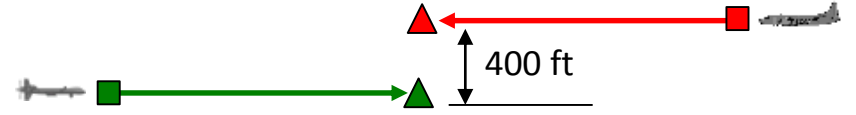
25_L53C



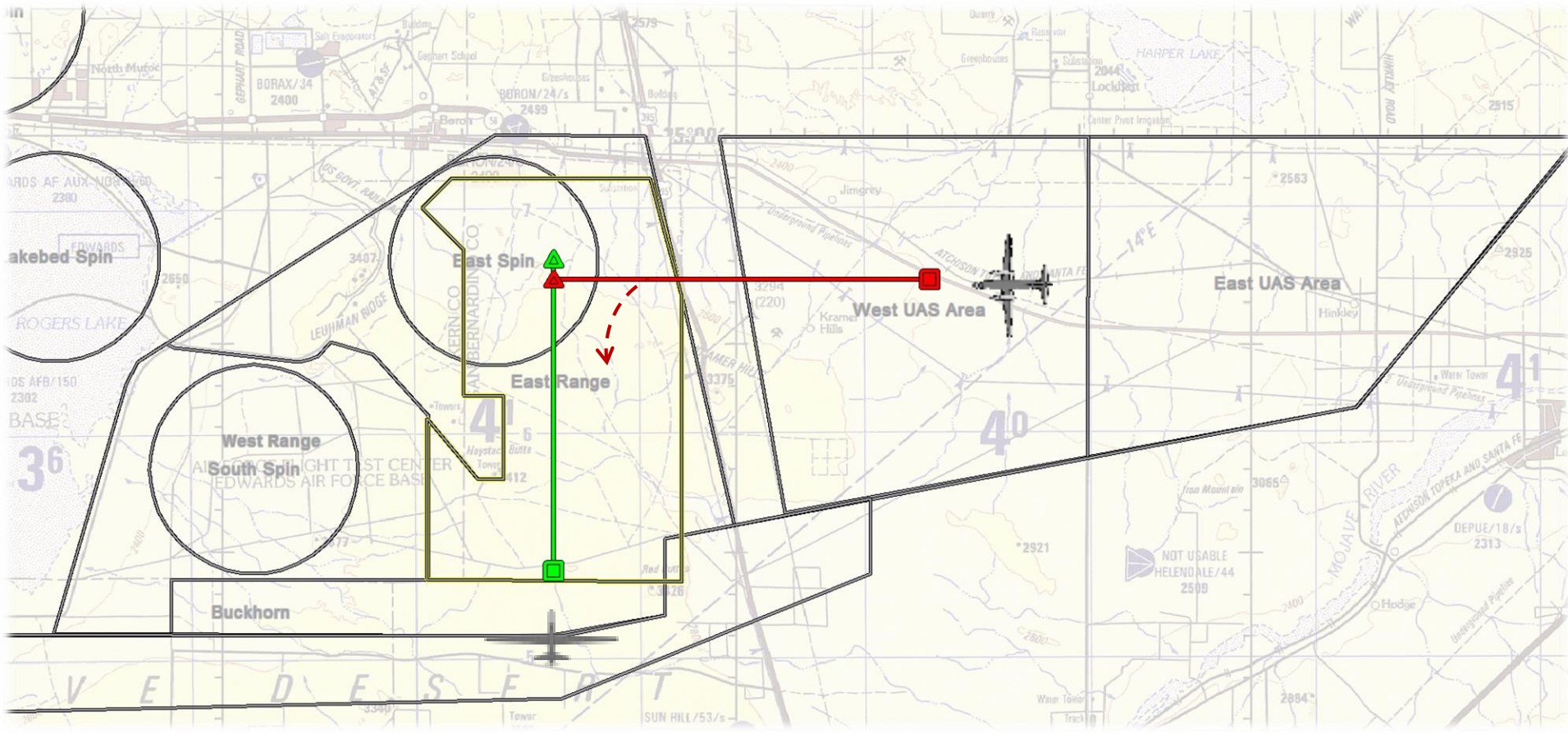


31_L32C





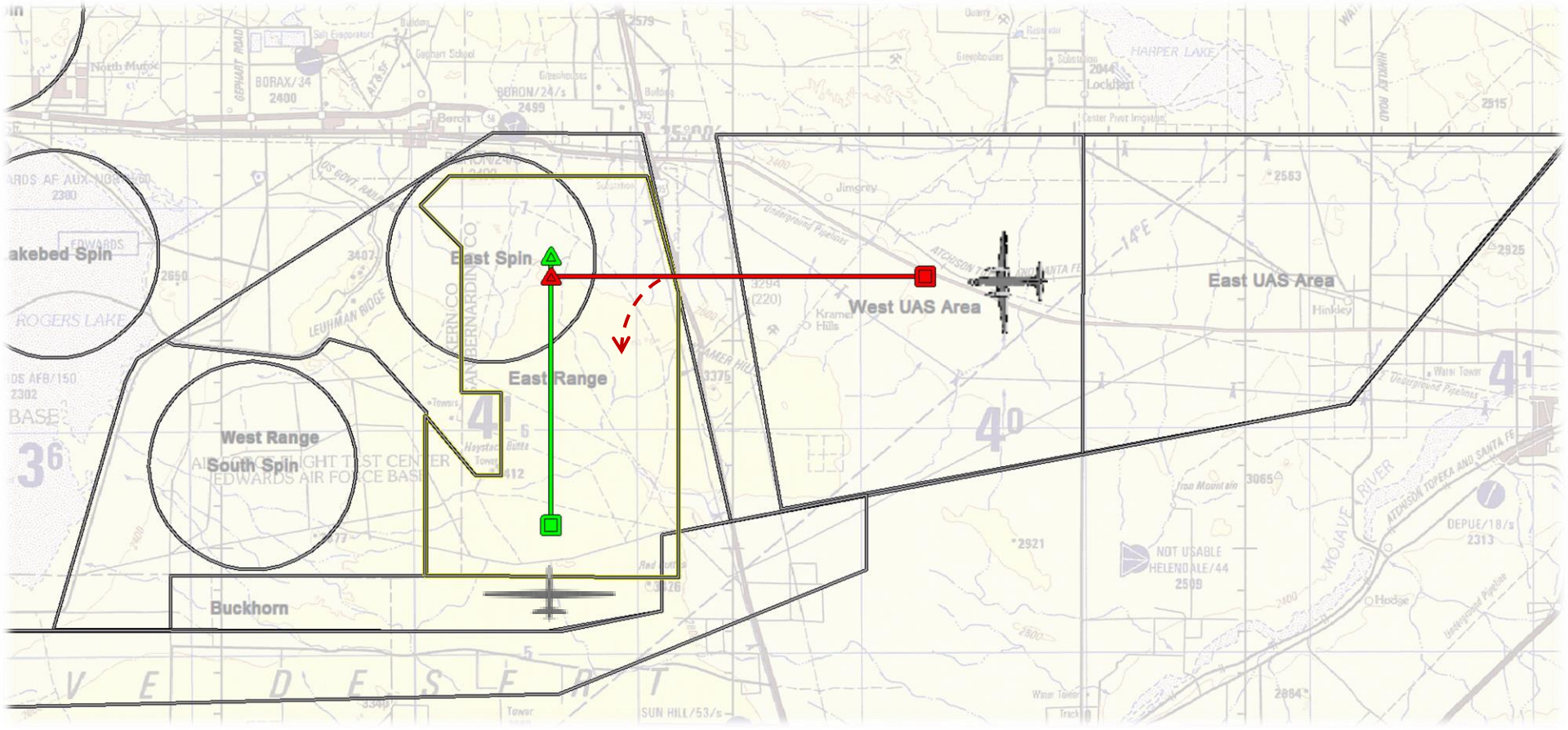
42_L42D

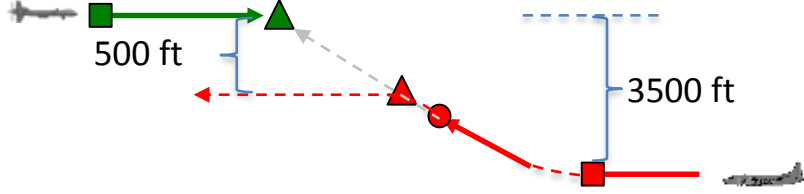


3500 ft

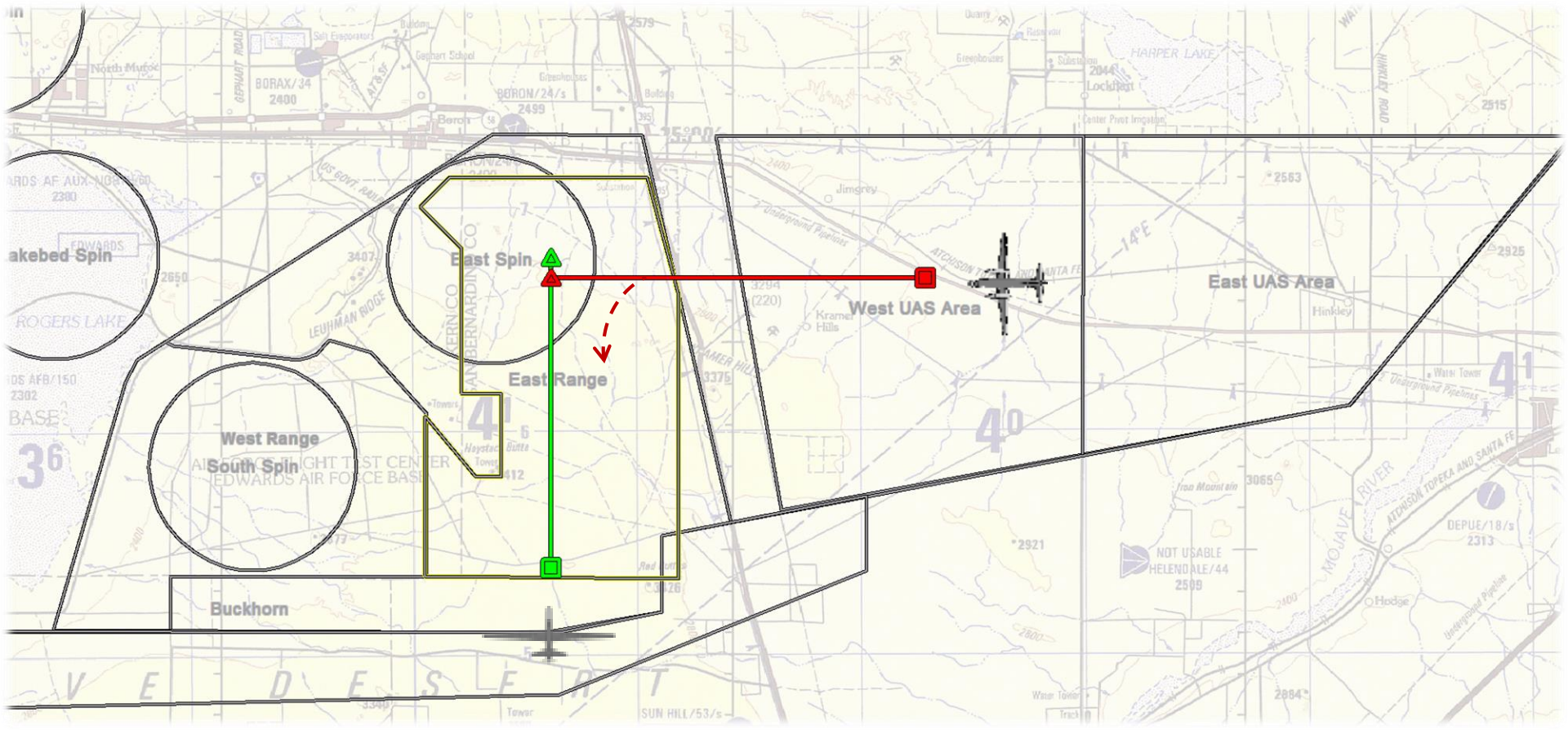
500 ft

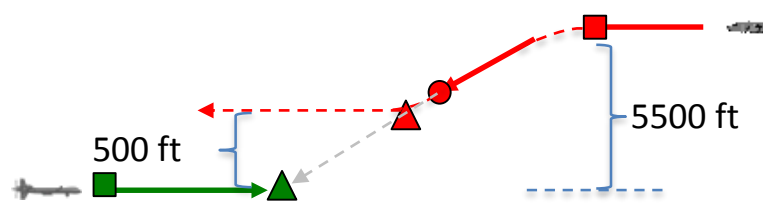
44_L56D



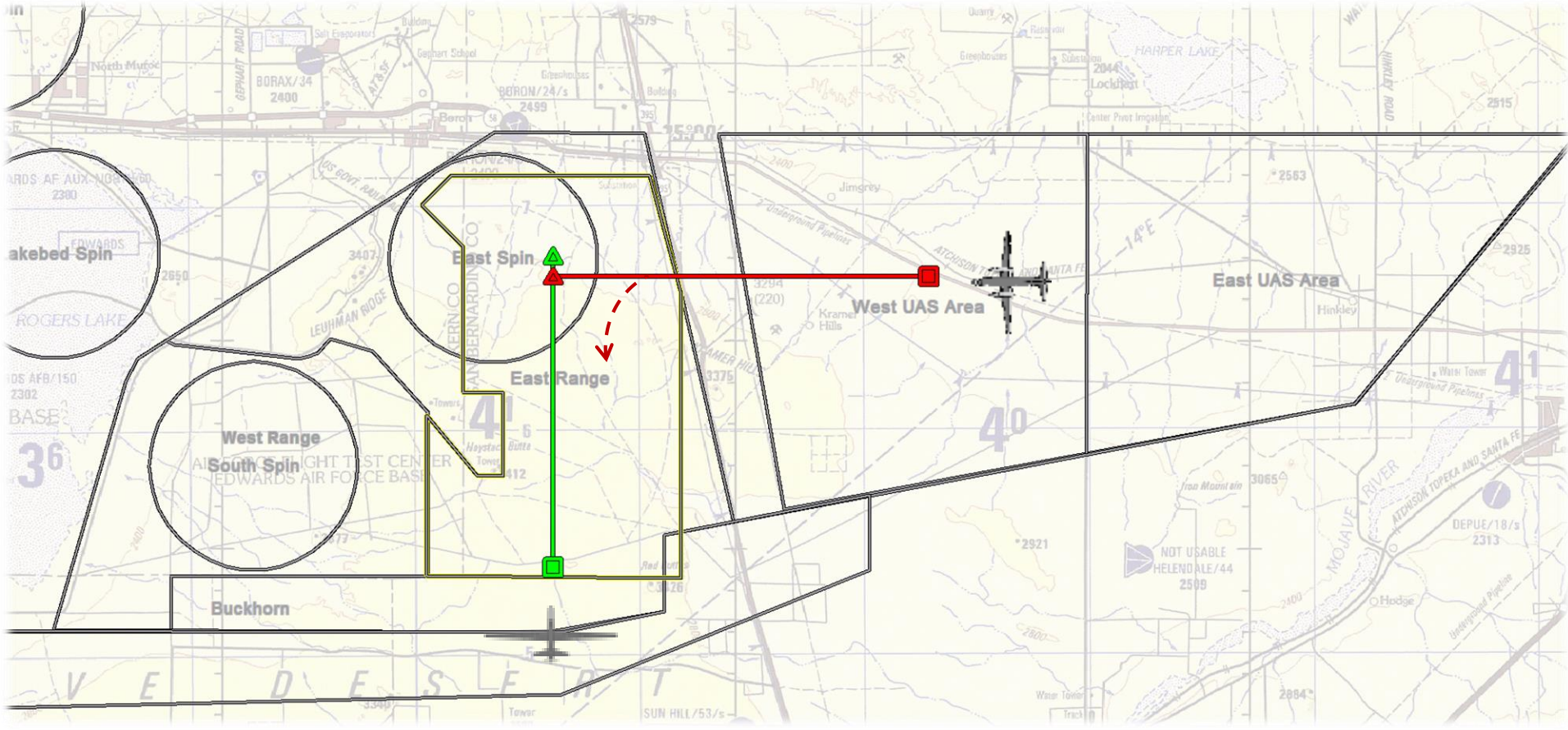


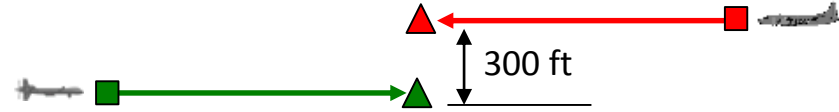
46_L53D



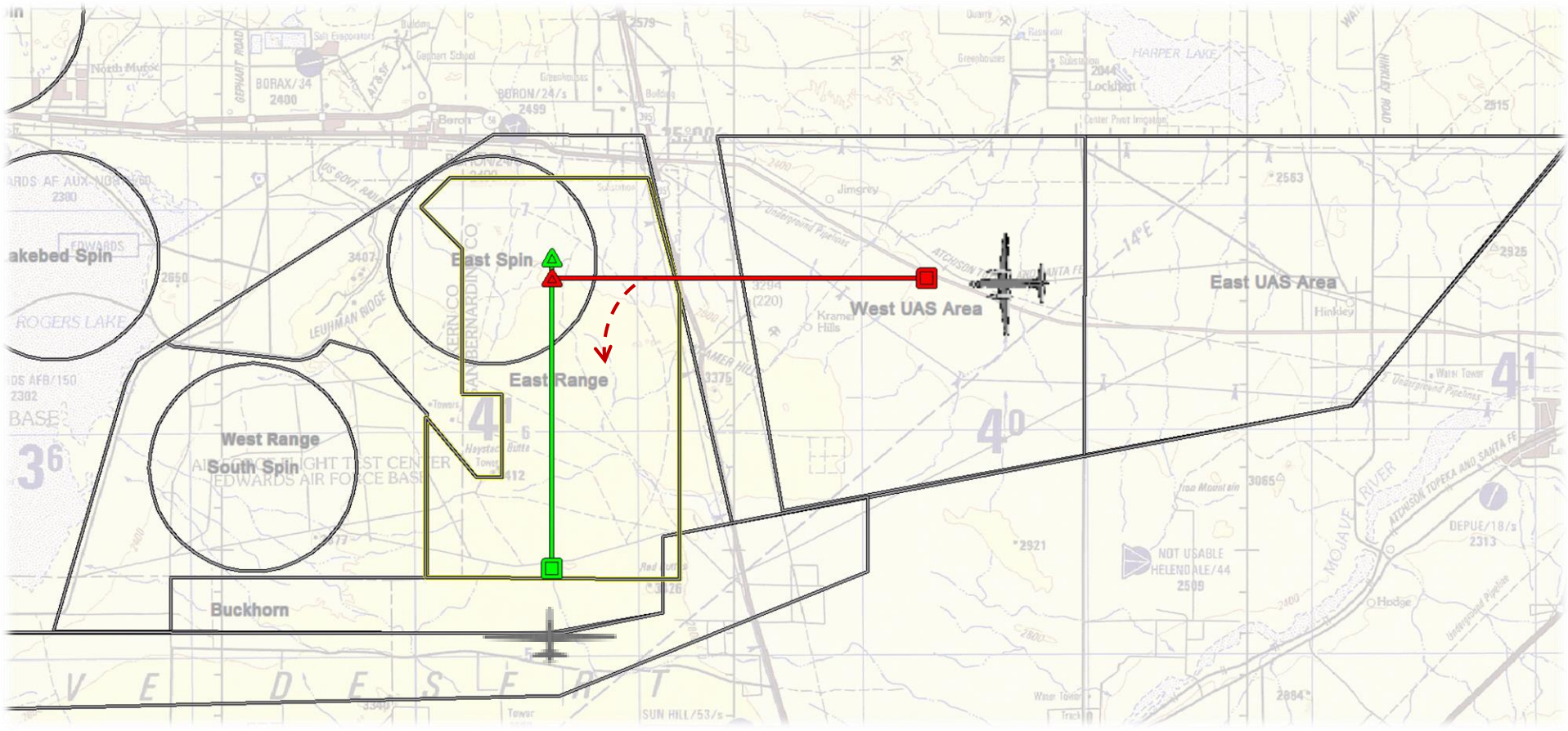


47_L54D



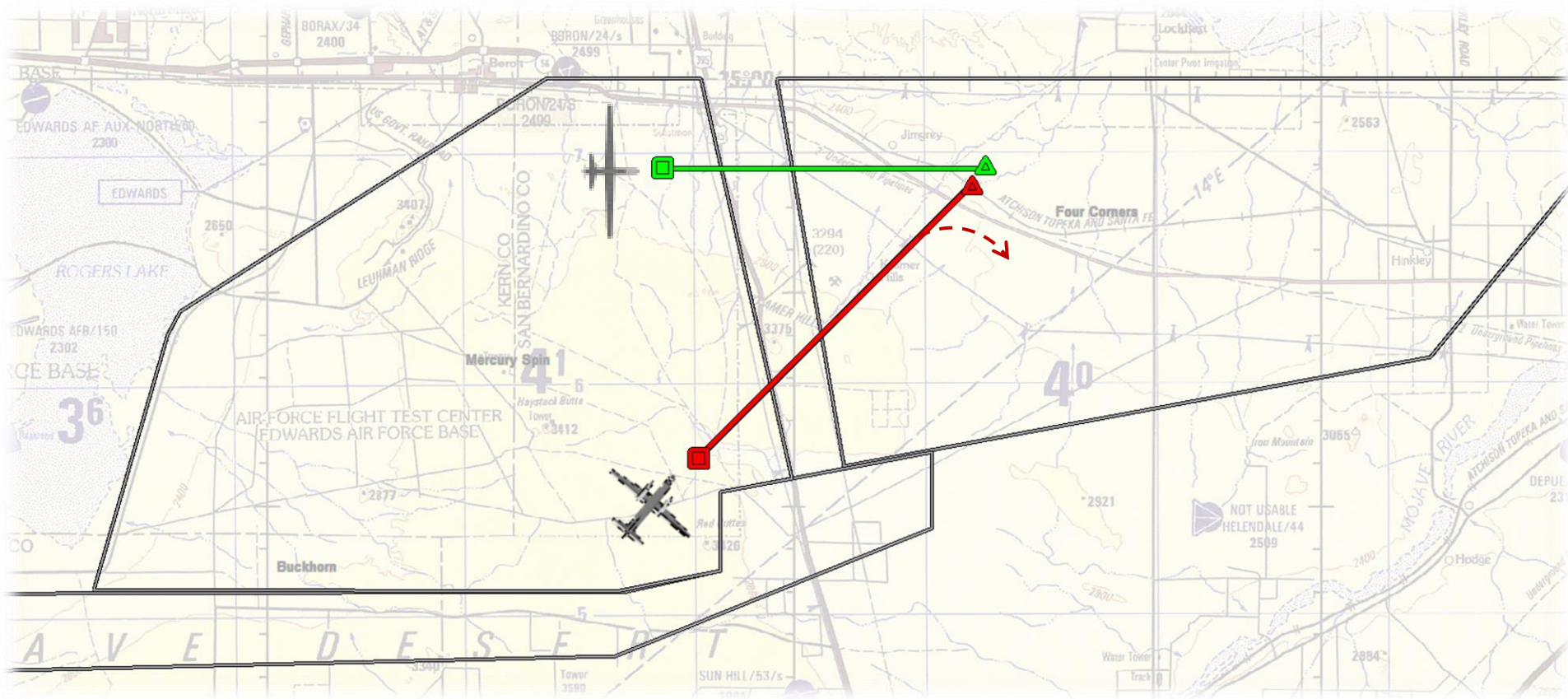


51_L32D





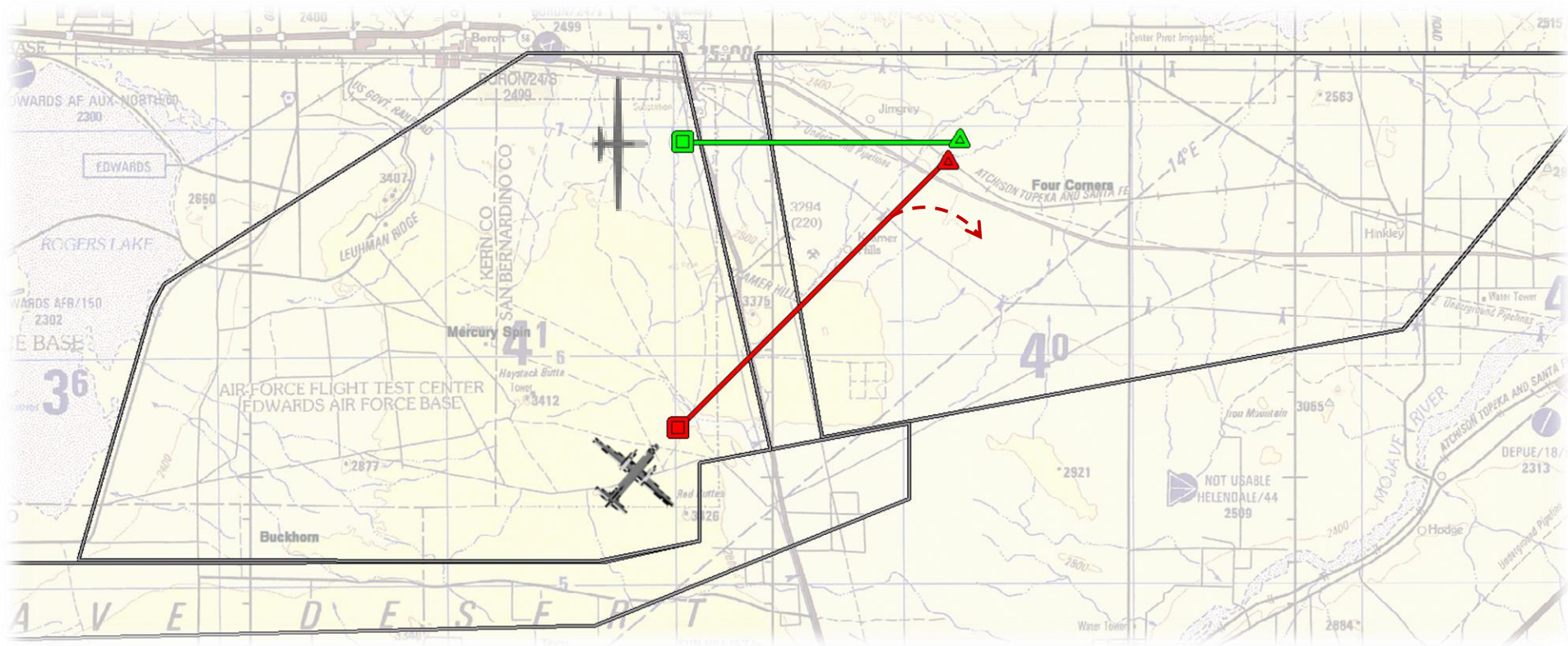
64_L42F

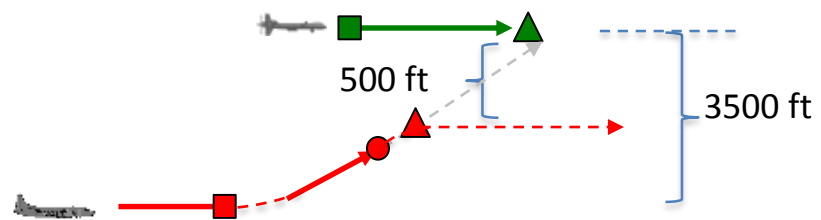


3500 ft

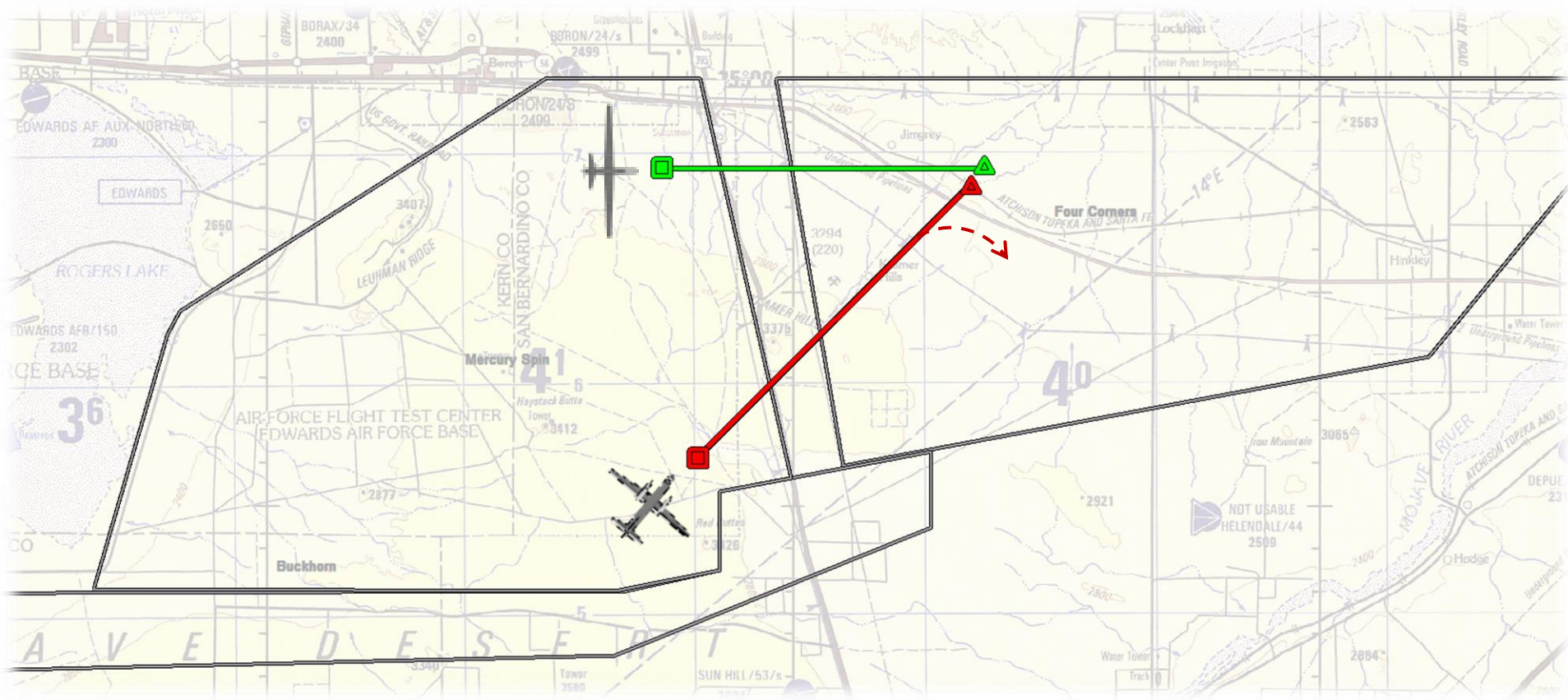
500 ft

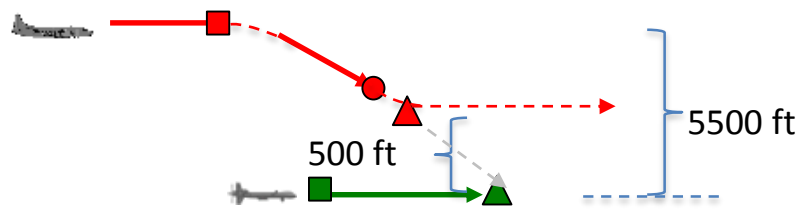
66_L56F



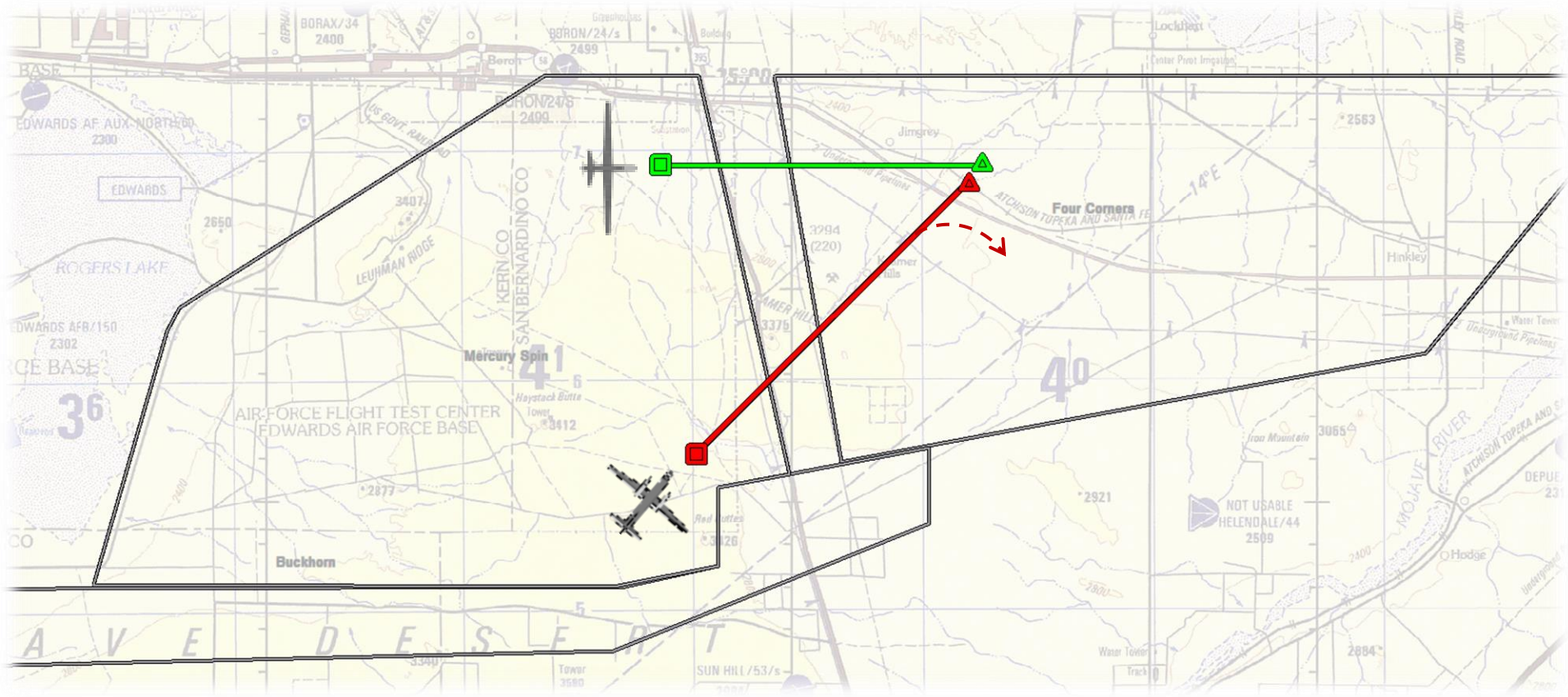


68_L53F





69_L54F

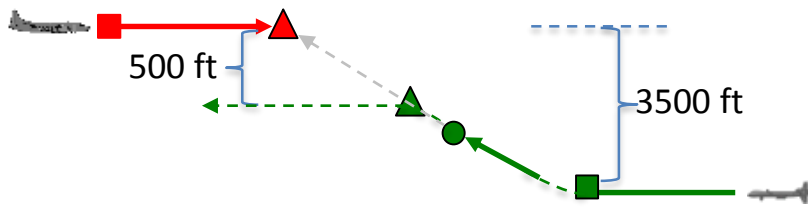


Flight 7

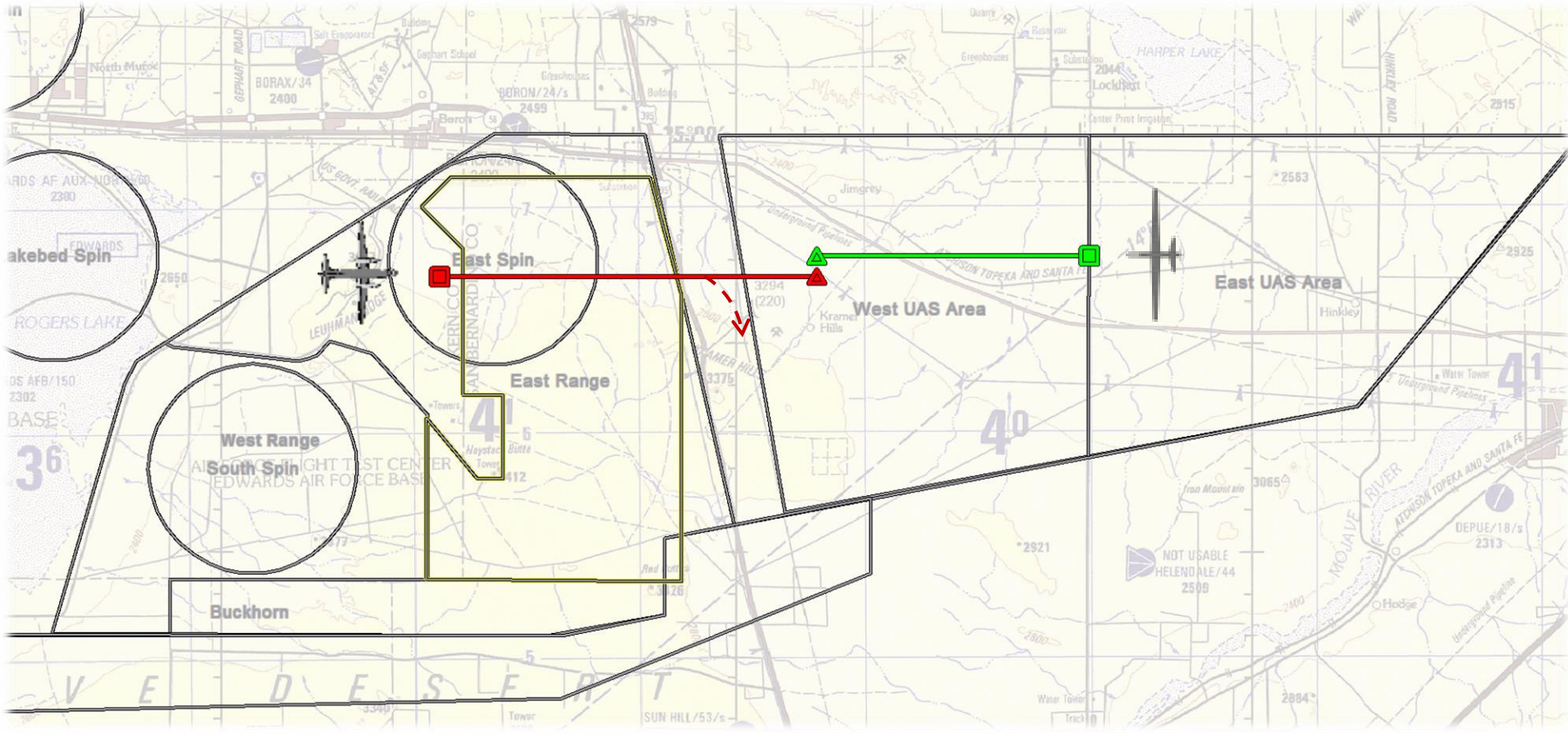
Flight 7

Stratway+

Card #	Scenario	Priority	Configuraton	Ownship	Maneuver	Intruder	Notes	
X	Altimeter Calibration						N3GC	
1	22 - L55C	1	Stratway+		Follow Stratway+ Display	N3GC		
2	43 - L55D	1			Follow Stratway+ Display	N3GC		
3	65 - L55F	1			Follow Stratway+ Display	N3GC		
4	24 - L57C	1			Follow Stratway+ Display	N3GC		
5	45 - L57D	1			Follow Stratway+ Display	N3GC		
6	67 - L57F	1			Follow Stratway+ Display	N3GC		
7	7 - L57A	1			Follow Stratway+ Display	N3GC		
8	3 - L55A	1			Follow Stratway+ Display	N3GC		
9	4 - L55B	1			Follow Stratway+ Display	N3GC		
10	21 - L42C	2			Follow Stratway+ Display	N3GC		
11	42 - L42D	2			Follow Stratway+ Display	N3GC		
12	64 - L42F	2			Follow Stratway+ Display	N3GC		
13	26 - L54C	2			Follow Stratway+ Display	N3GC		
14	47 - L54D	2			Follow Stratway+ Display	N3GC		
15	22 - L55C	2			Follow Stratway+ Display	N3GC		
16	43 - L55D	2			Follow Stratway+ Display	N3GC		
17	65 - L55F	2			Follow Stratway+ Display	N3GC		
18	24 - L57C	2			Follow Stratway+ Display	N3GC		
19	45 - L57D	2			Follow Stratway+ Display	N3GC		
20	67 - L57F	2			Follow Stratway+ Display	N3GC		
21	25 - L53C	2			Follow Stratway+ Display	N3GC		
22	46 - L53D	2			Follow Stratway+ Display	N3GC		
		2	CPDS Display		None - Fly Through	N3GC	110°	
		3			None - Fly Through	N3GC	110°	
		3			None - Fly Through	N3GC	110°	
		3			None - Fly Through	N3GC	90°	
		3			None - Fly Through	N3GC	90°	

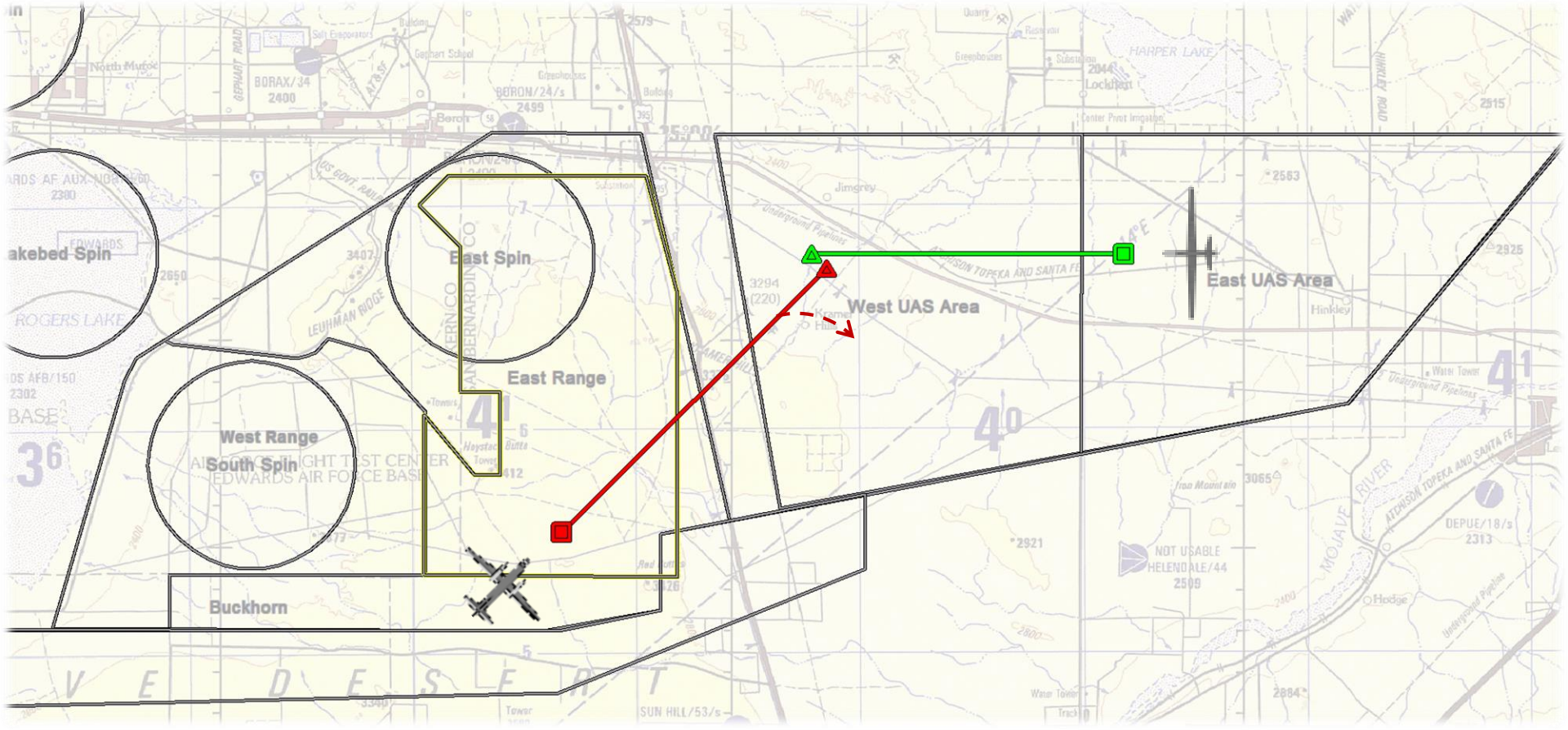


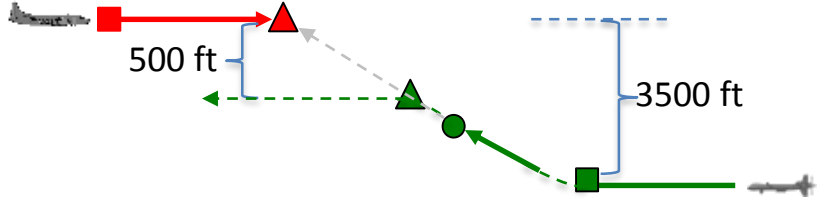
3_L55A



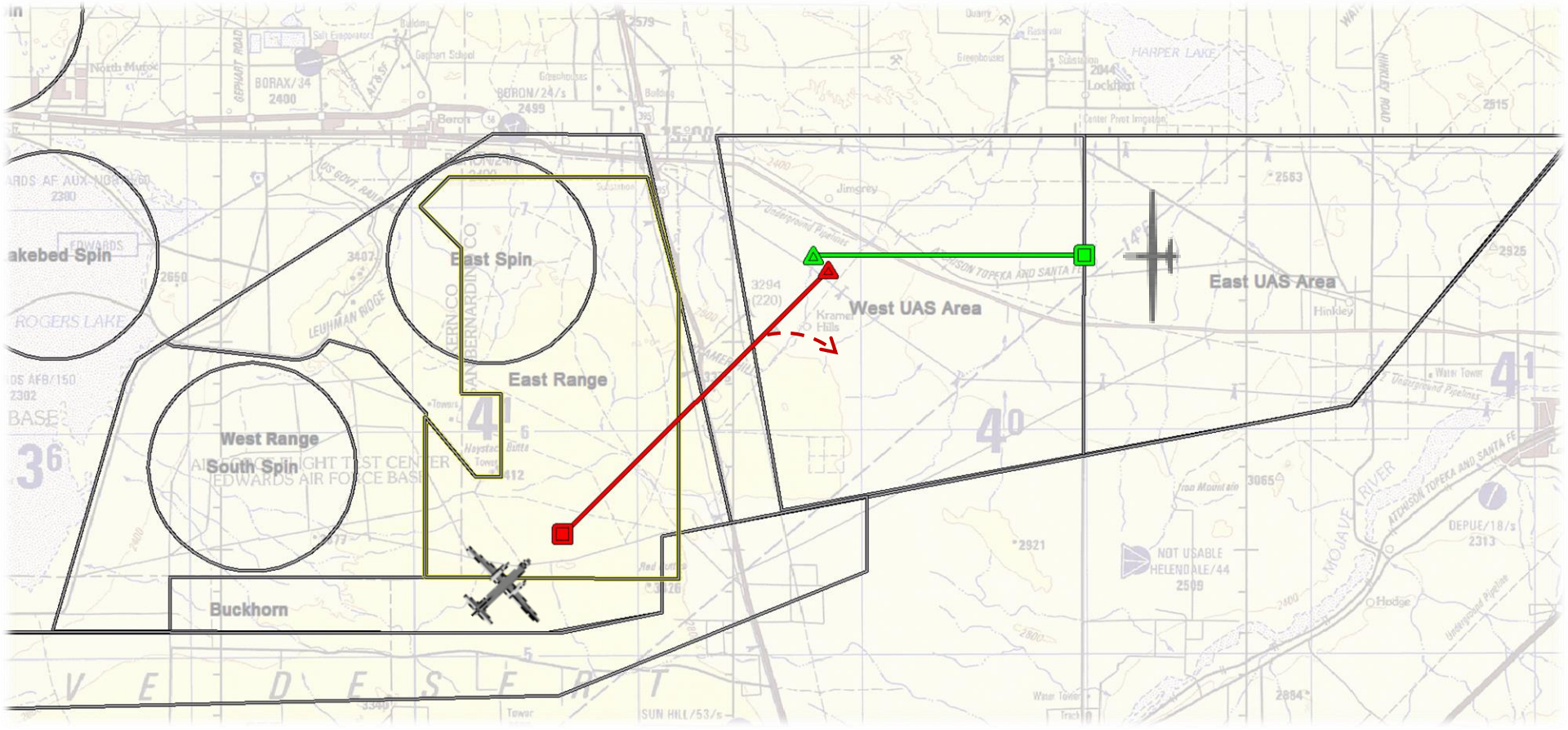


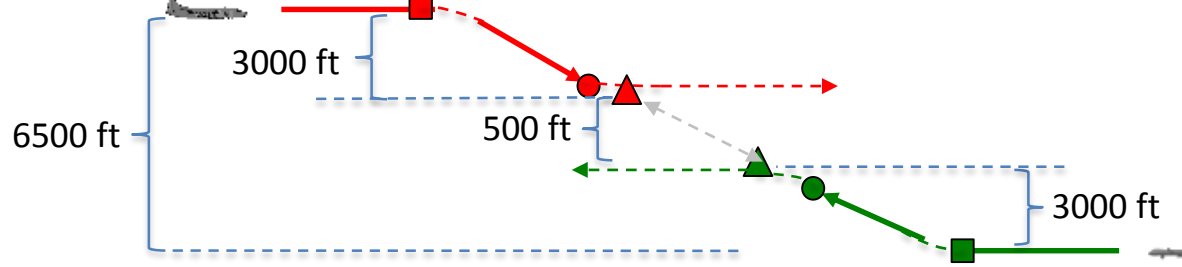
21_L42C



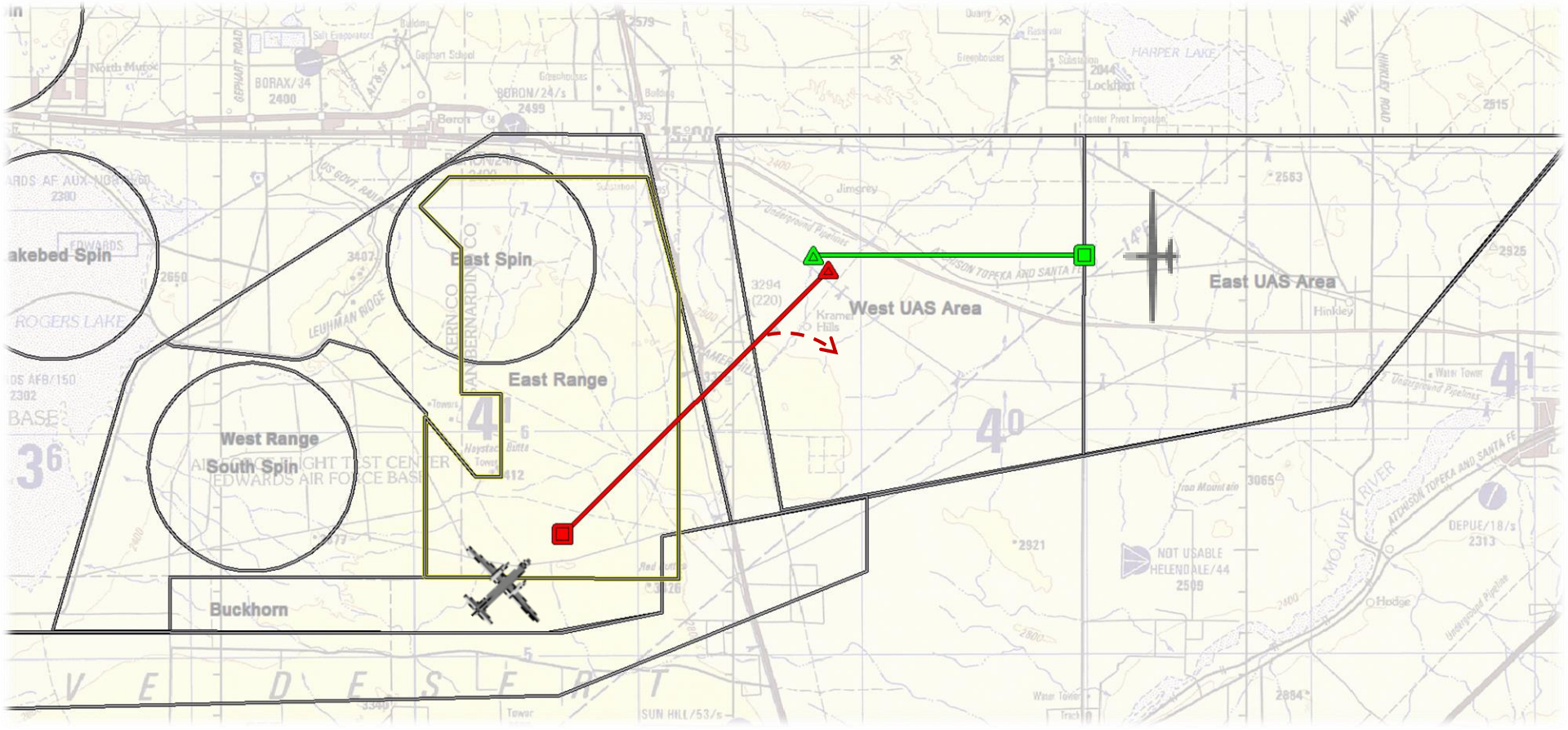


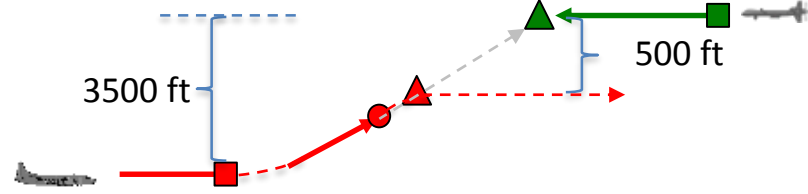
22_L55C



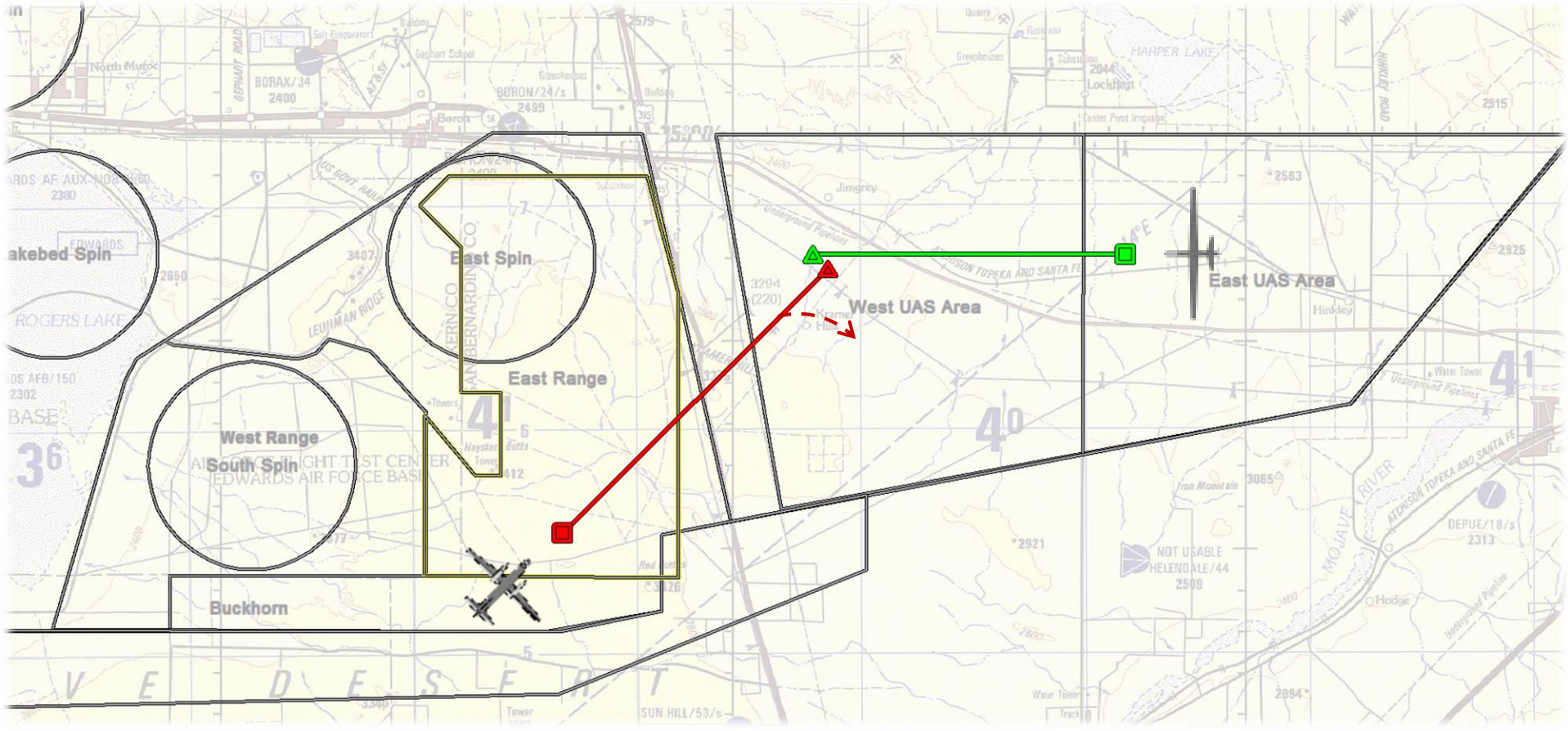


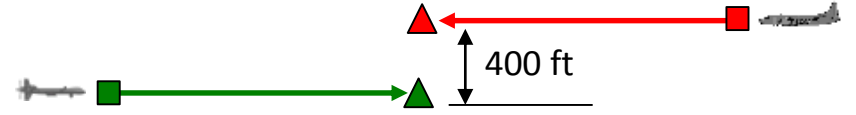
24_L57C



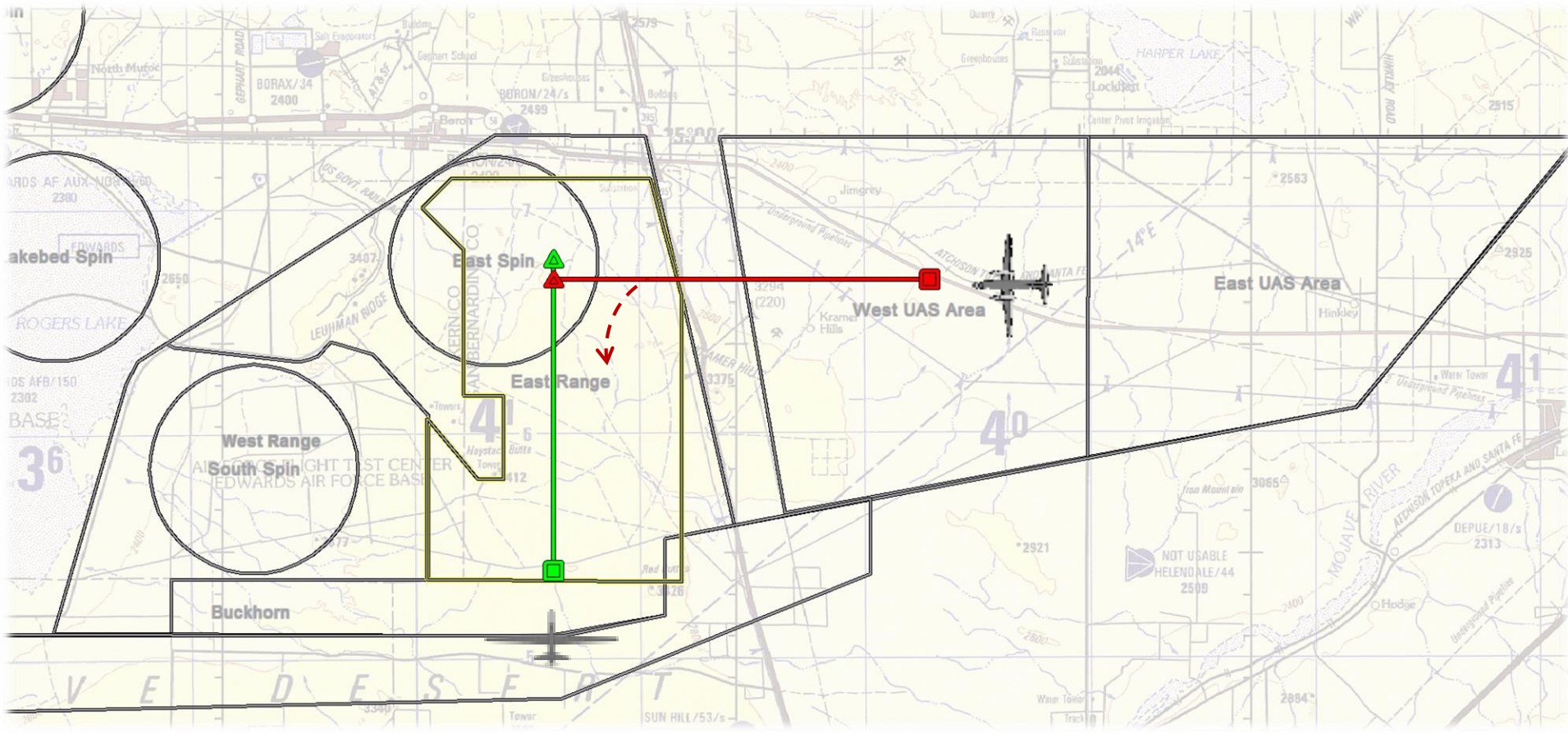


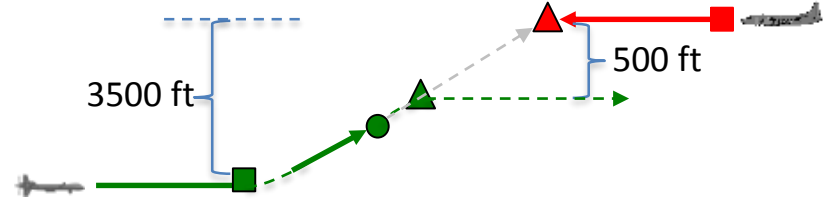
25_L53C



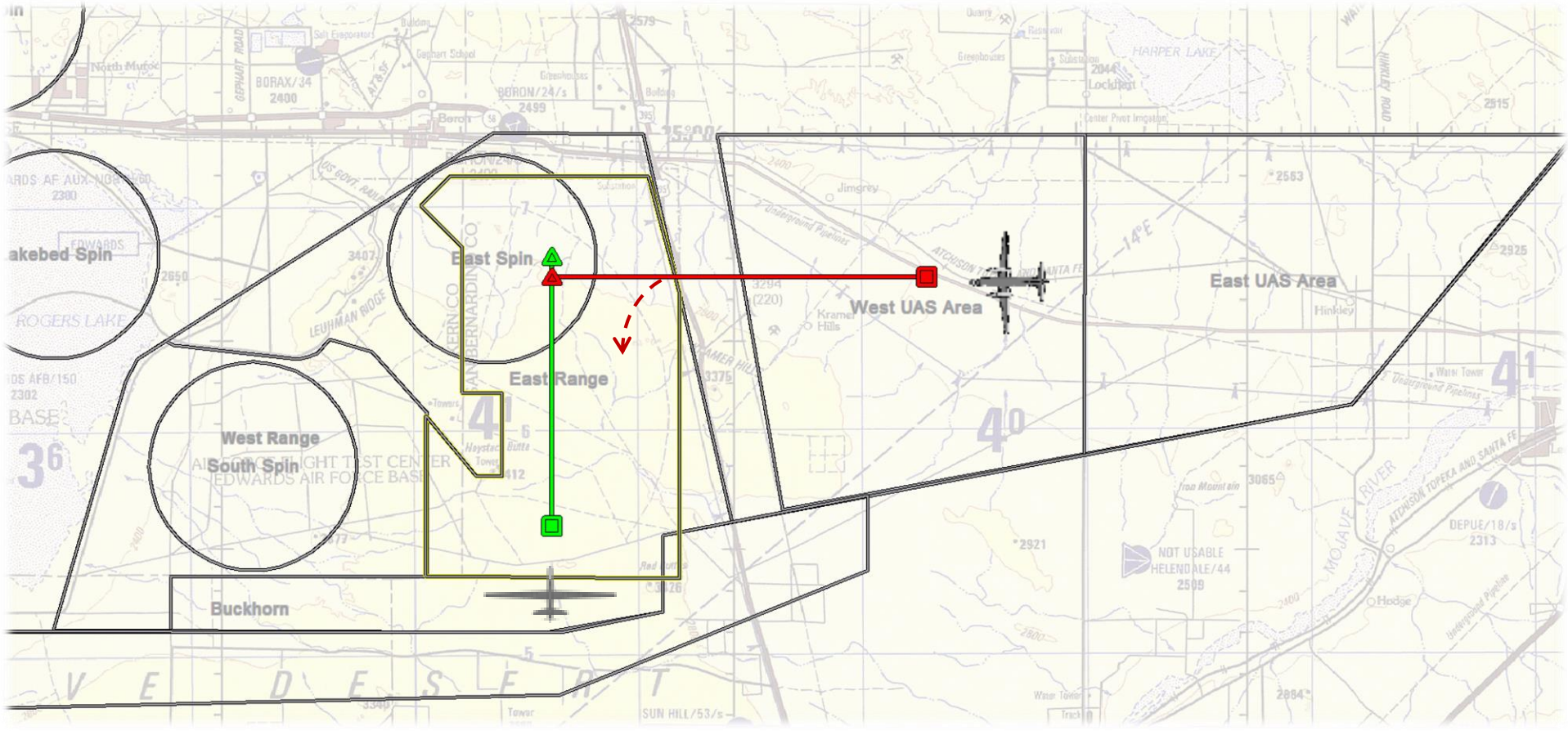


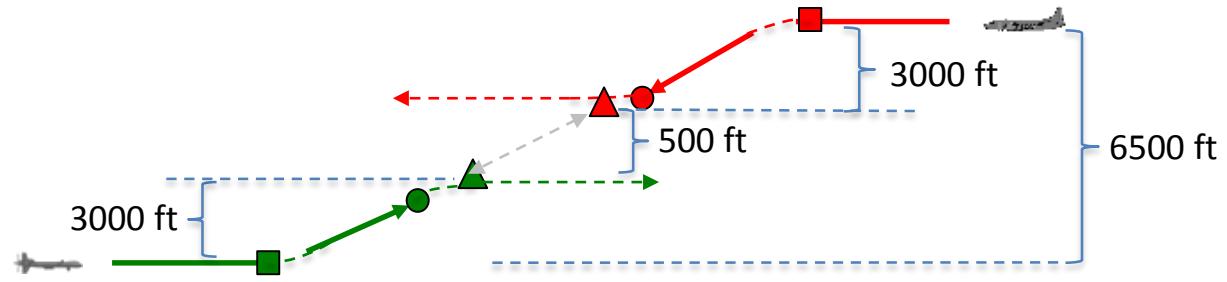
42_L42D



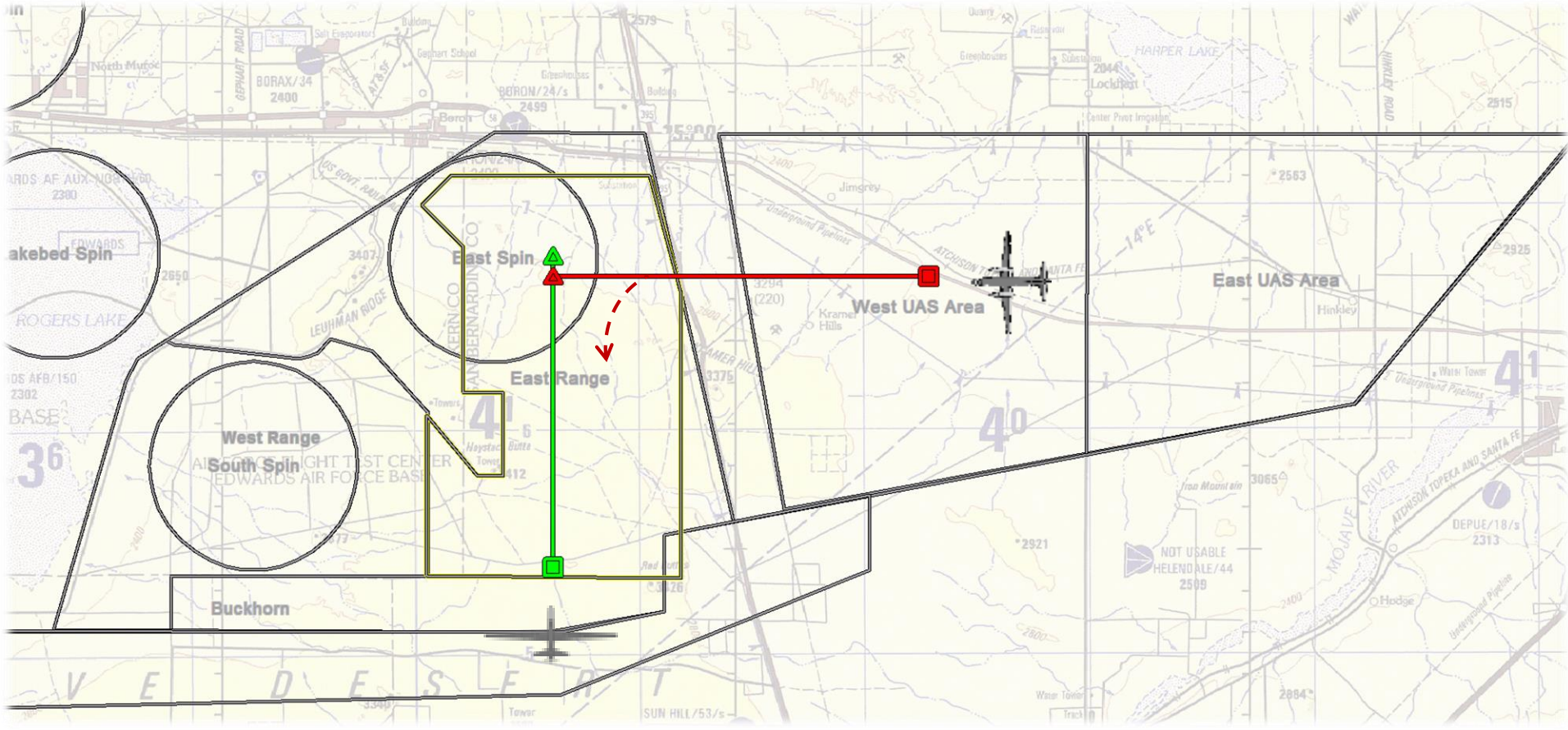


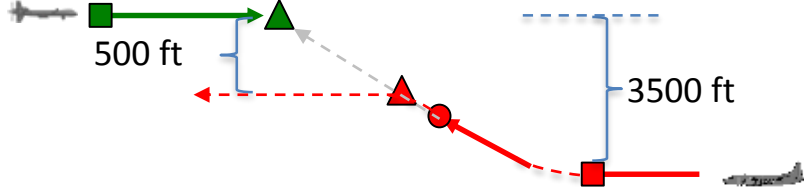
43_L55D



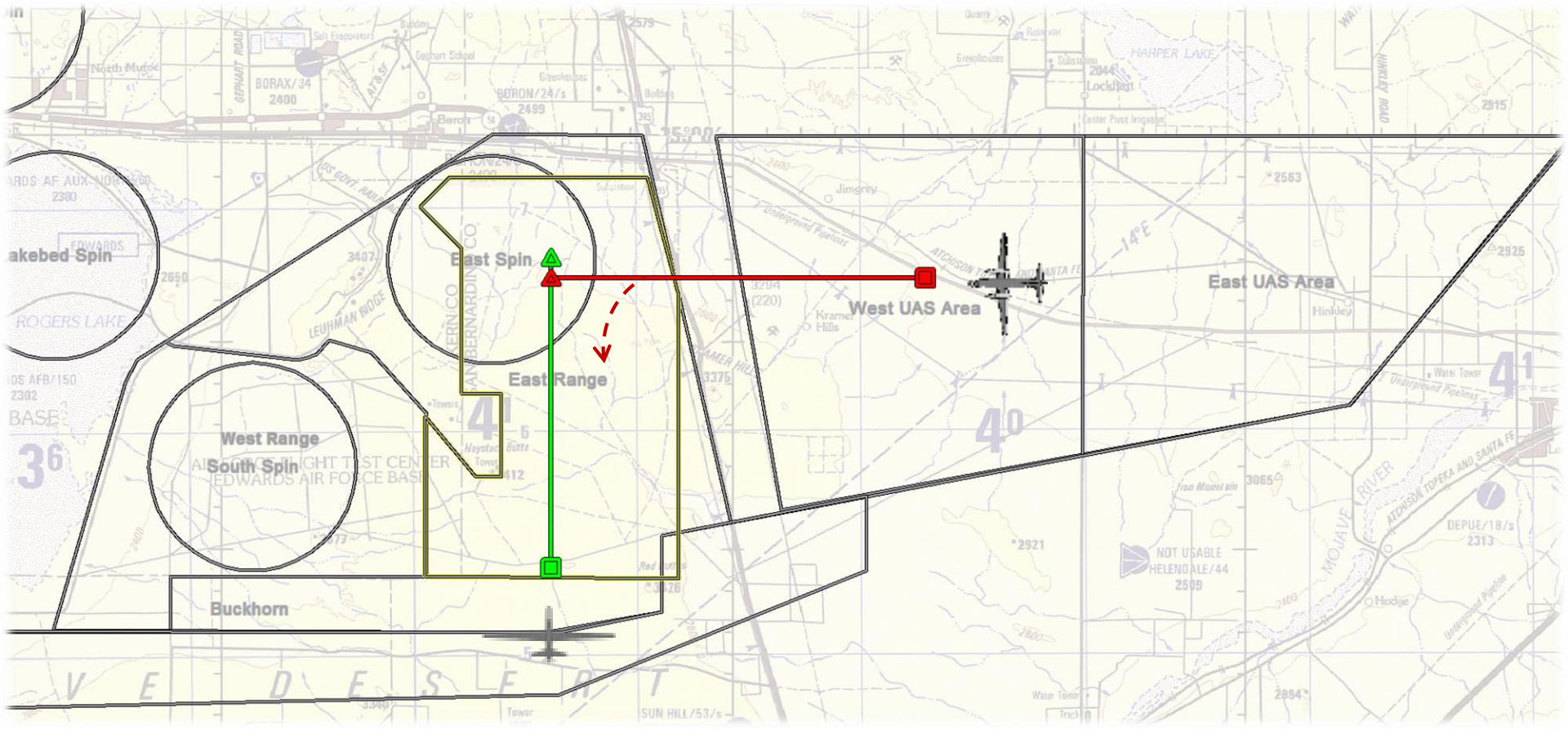


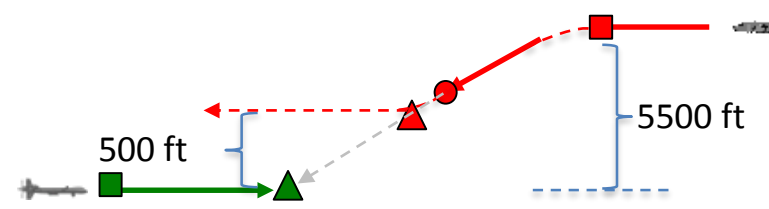
45_L57D



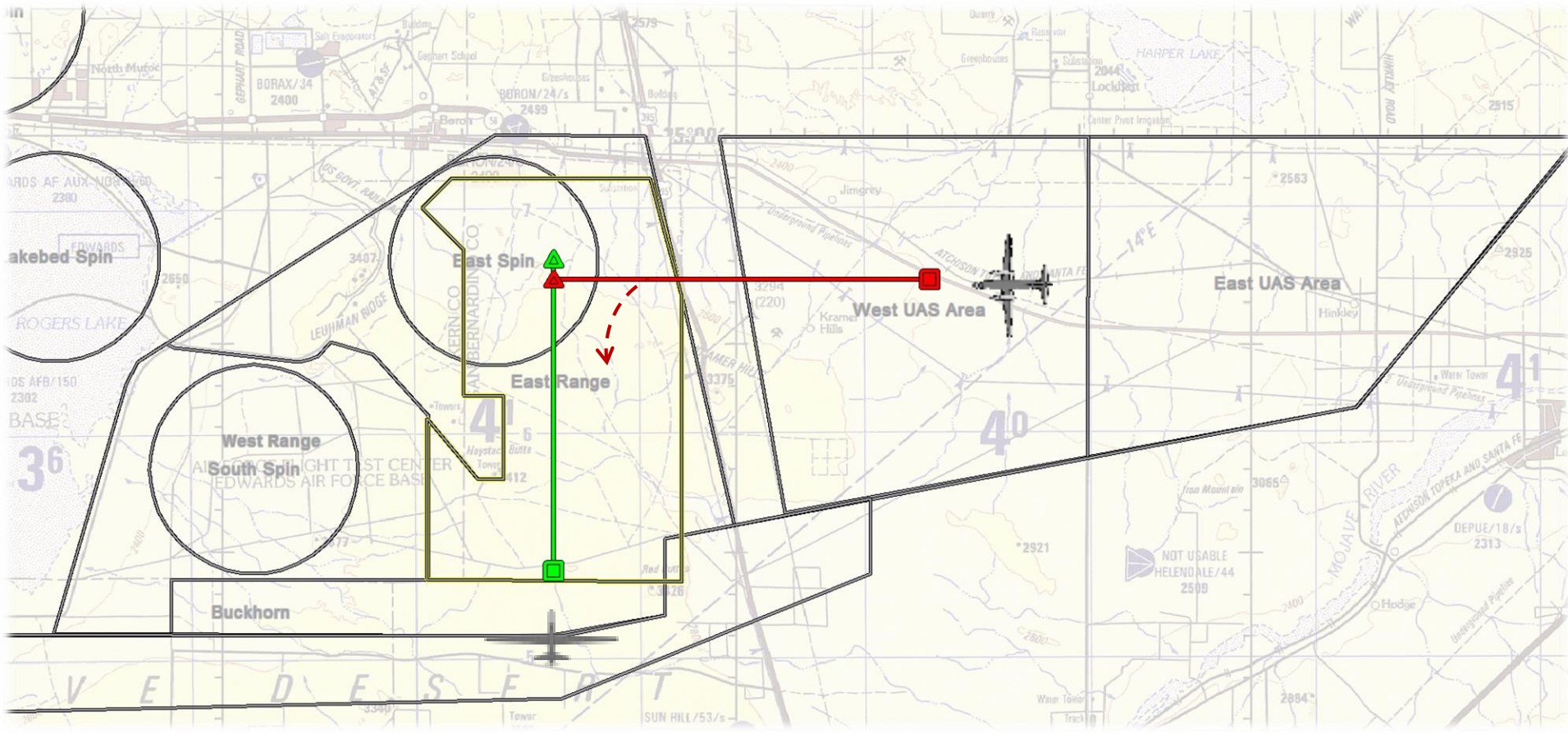


46_L53D



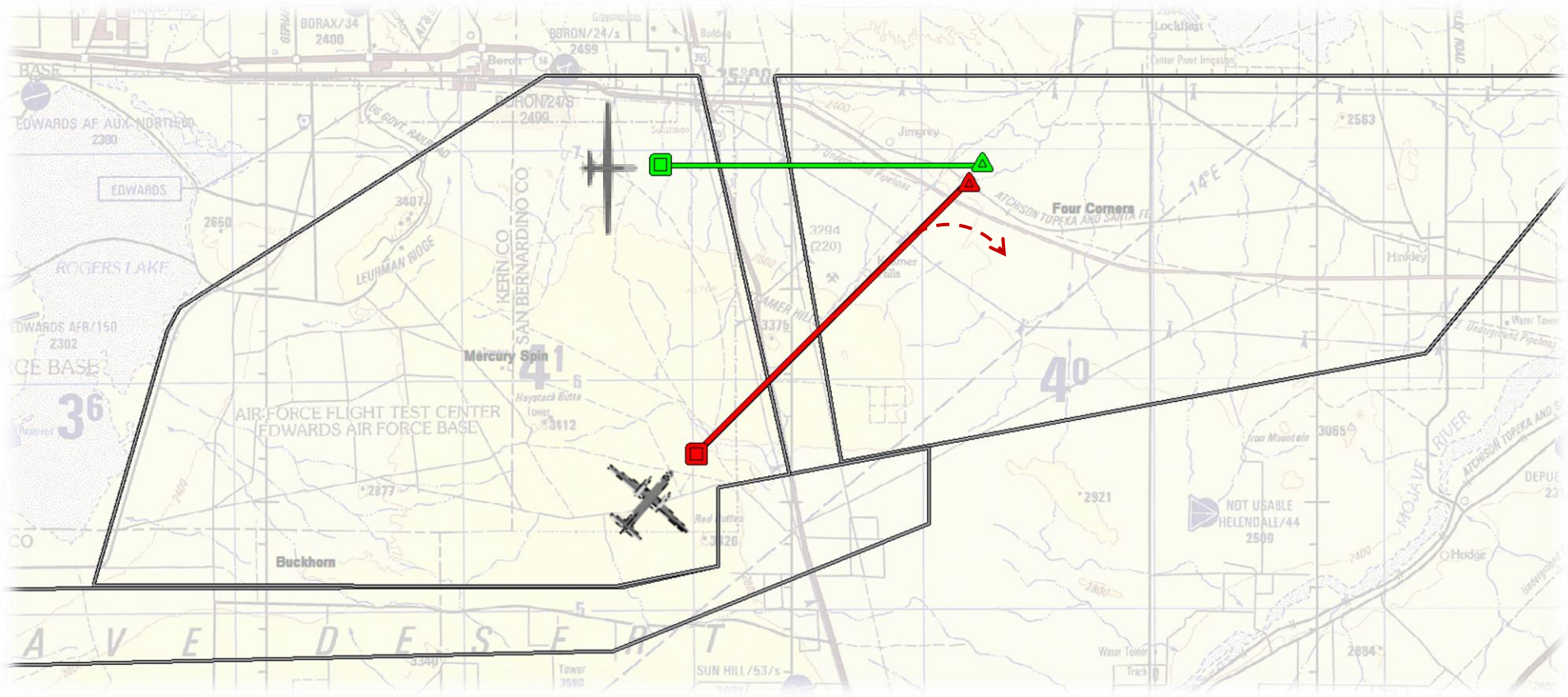


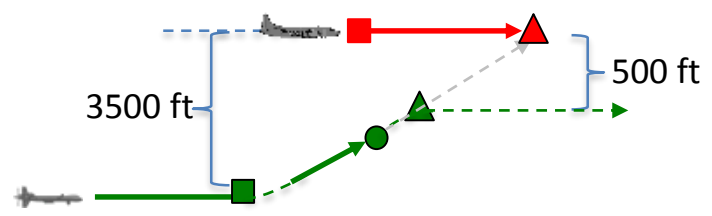
47_L54D



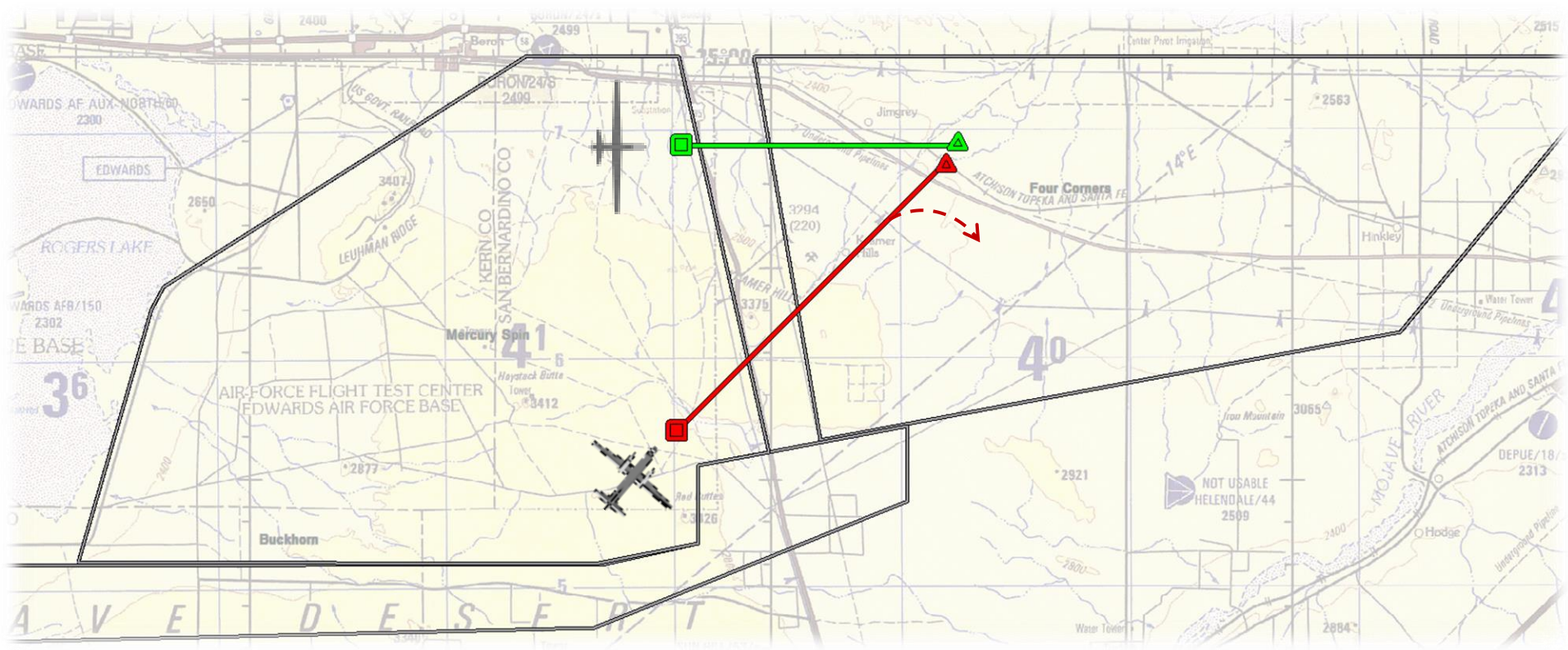


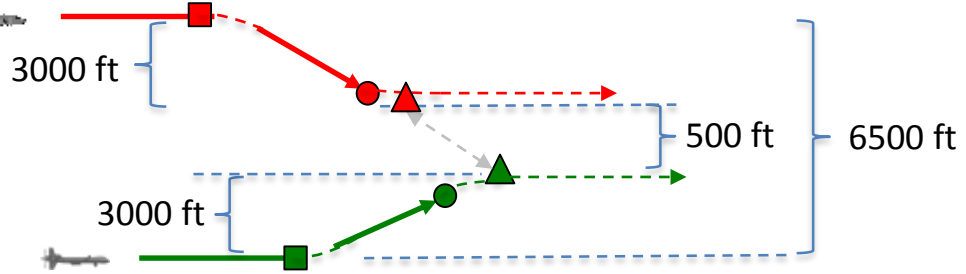
64_L42F



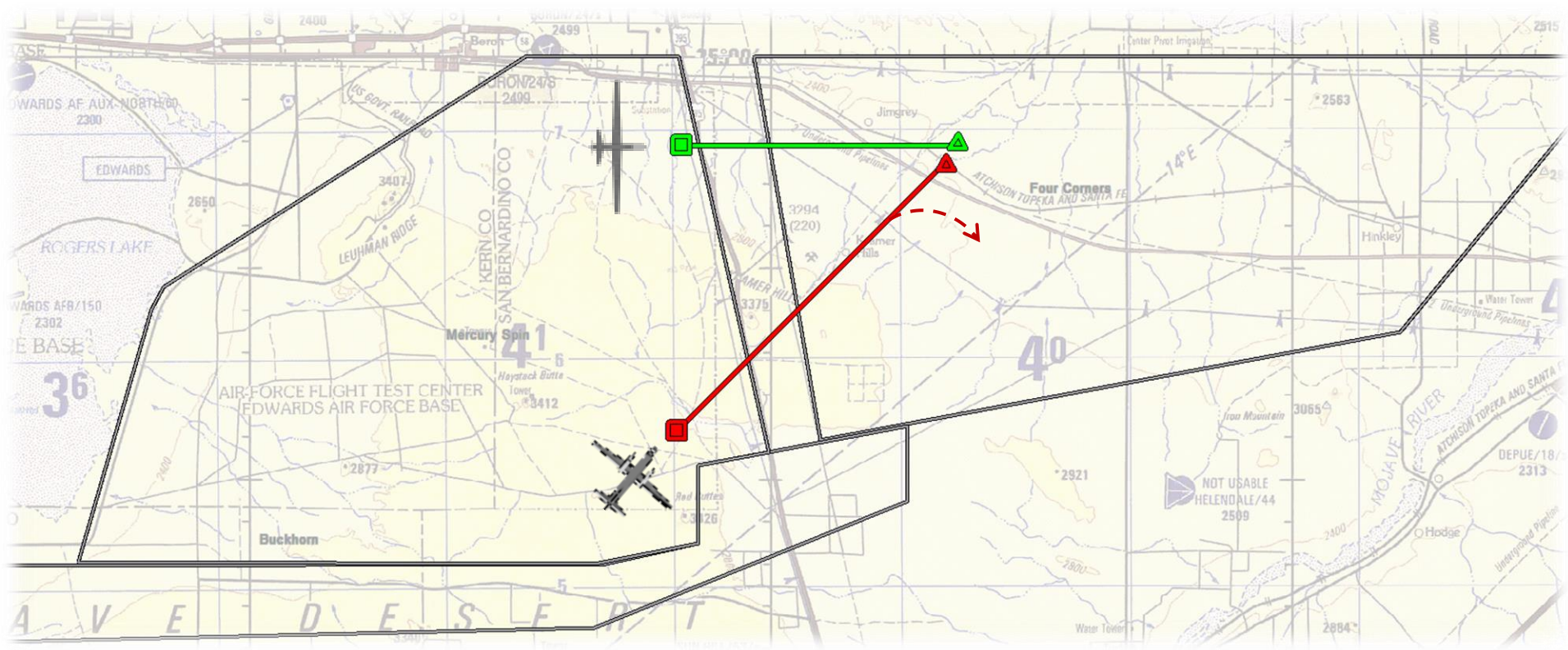


65_L55F





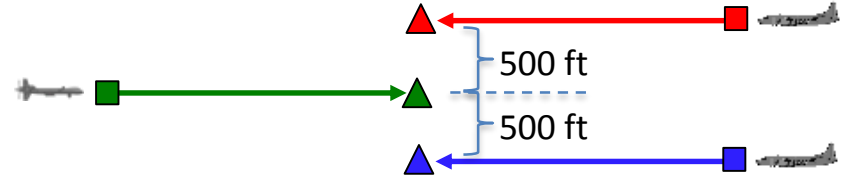
67_L57F



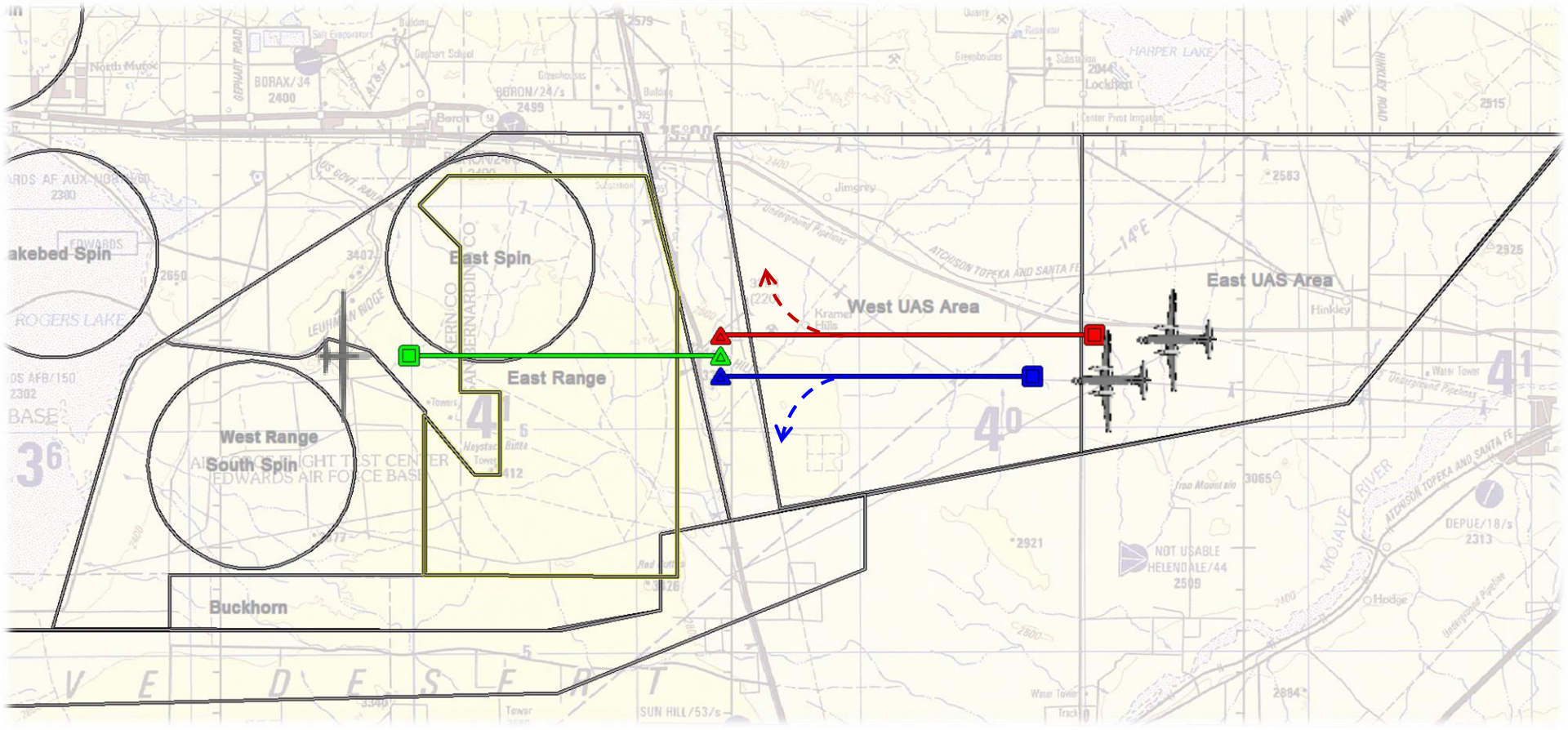
Flight 8

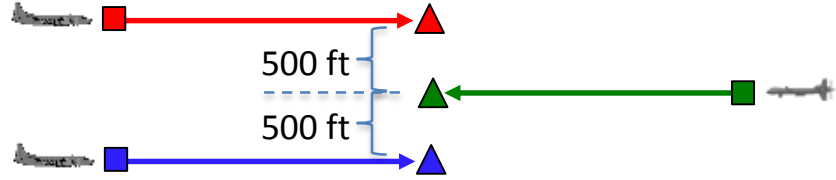
Stratway+

Card #	Scenario	Priority	Configuraton	Owship	Manuever	Intruder	Notes
X	Altimeter Calibration					N3GC/865	Multiship
1	8 - M59Q	1	Stratway+		Follow Stratway+ Display	N3GC/865	Multiship
2	8 - M59Q	2		Follow Stratway+ Display	N3GC/865	Multiship	
3	28 - M59V	1		Follow Stratway+ Display	N3GC/865	Multiship	
4	28 - M59V	2		Follow Stratway+ Display	N3GC/865	Multiship	
5	71 - M59W	1		Follow Stratway+ Display	N3GC/865	Multiship	
6	71 - M59W	2		Follow Stratway+ Display	N3GC/865	Multiship	
7	9 - M59U	1		Follow Stratway+ Display	N3GC/865	Multiship	
8	27 - M59R	1		Follow Stratway+ Display	N3GC/865	Multiship	
9	48 - M59S	1		Follow Stratway+ Display	N3GC/865	Multiship	
10	70 - M59T	1		Follow Stratway+ Display	N3GC/865	Multiship	
11	9 - M59U	2		Follow Stratway+ Display	N3GC/865	Multiship	
12	27 - M59R	2		Follow Stratway+ Display	N3GC/865	Multiship	
13	48 - M59S	2		Follow Stratway+ Display	N3GC/865	Multiship	
14	70 - M59T	2		Follow Stratway+ Display	N3GC/865	Multiship	
15	63 - L12N	1		Follow Stratway+ Display	N3GC		
16	63 - L12N	2		Follow Stratway+ Display	N3GC		
		2	Follow Stratway+ Display	N3GC			
		2	Follow Stratway+ Display	N3GC			
		2	Follow Stratway+ Display	N3GC			
		2	Follow Stratway+ Display	N3GC			
		2	Follow Stratway+ Display	N3GC			
22	122 - L31G	2	CPDS Display		None - Fly Through	N3GC	90°
23	125 - L54G	2		None - Fly Through	N3GC	90°	
		2		None - Fly Through	N3GC	110°	

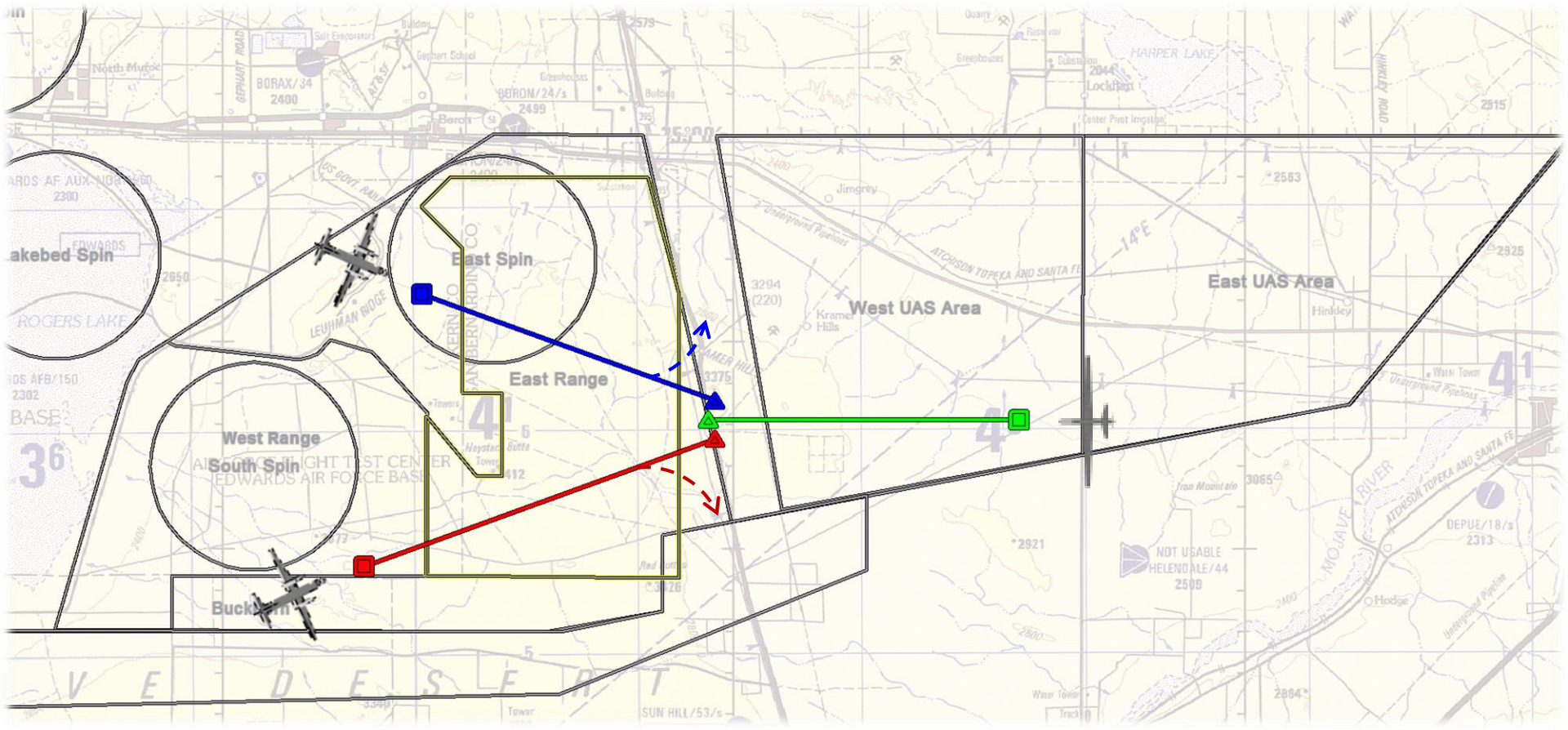


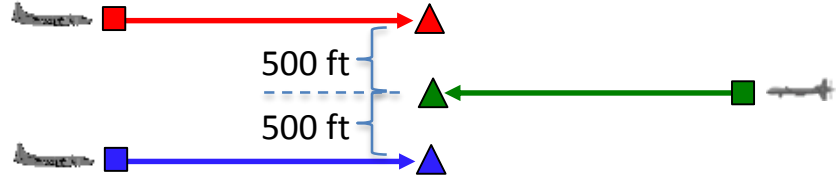
8_M59Q



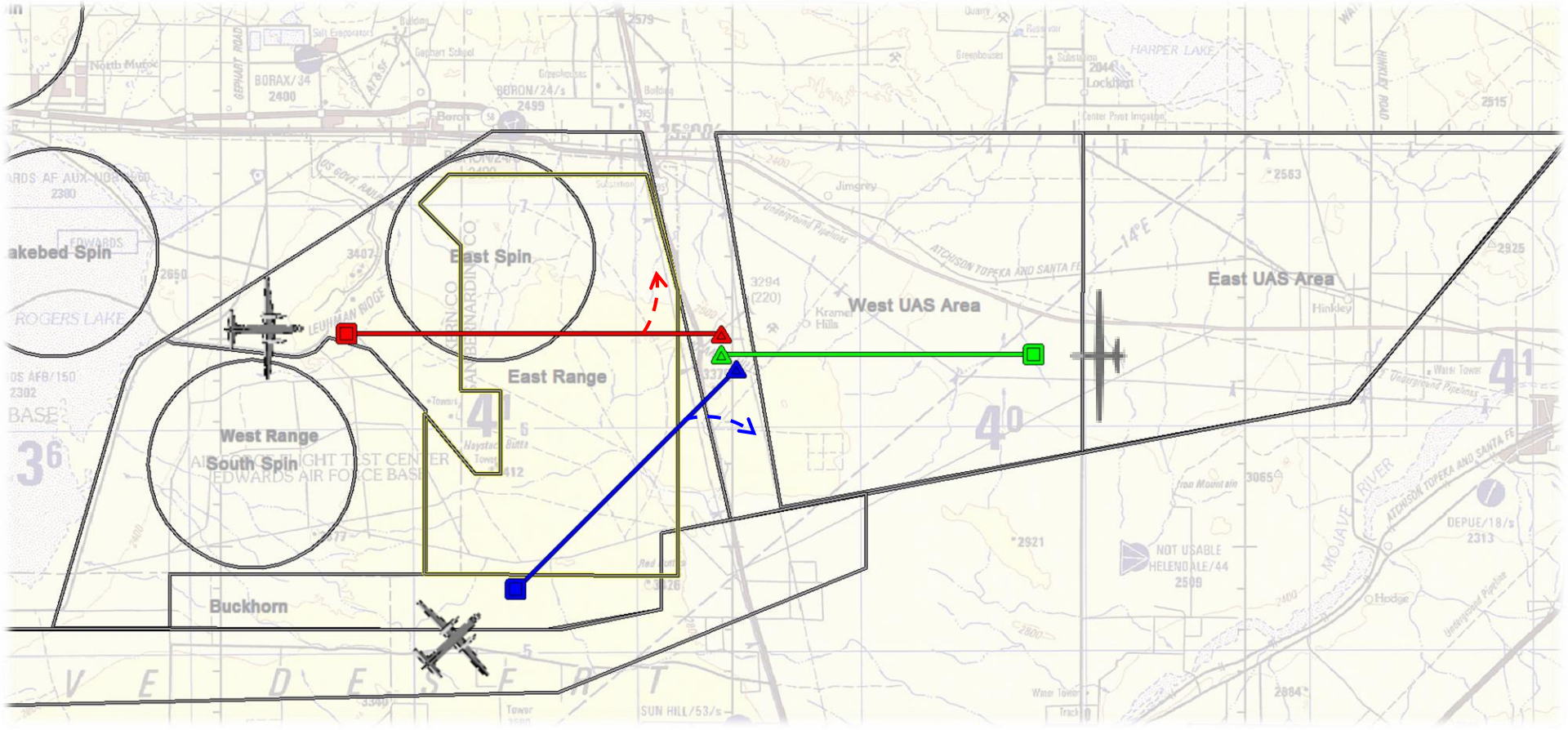


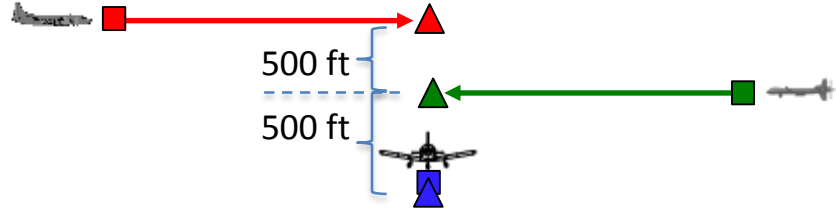
9_M59U



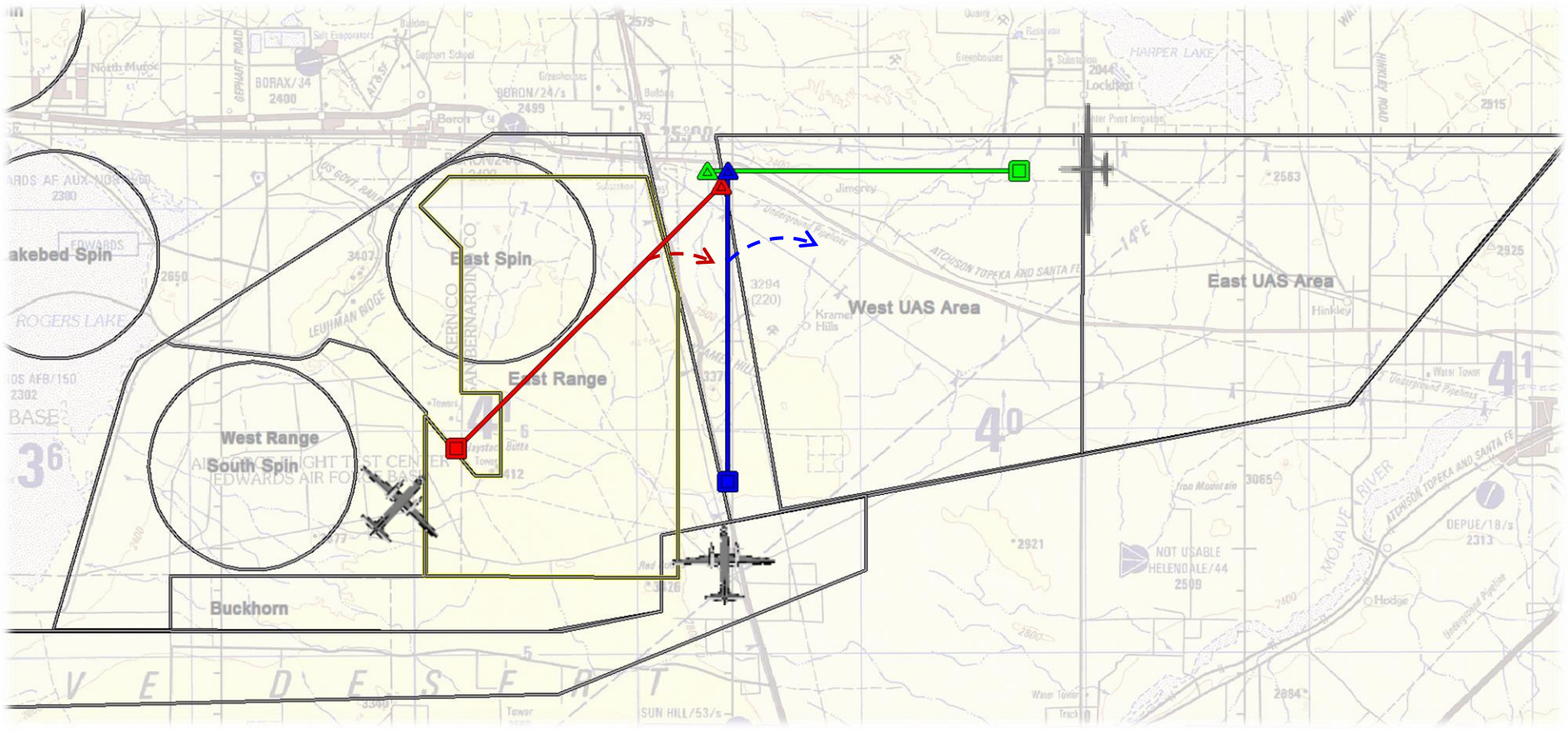


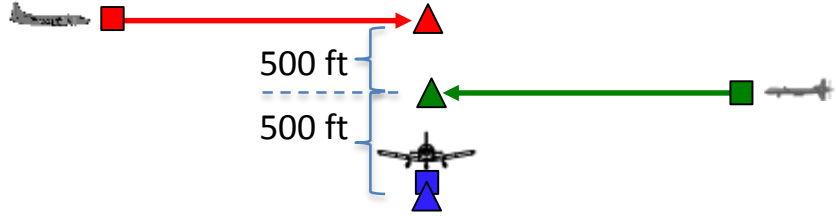
27_M59R



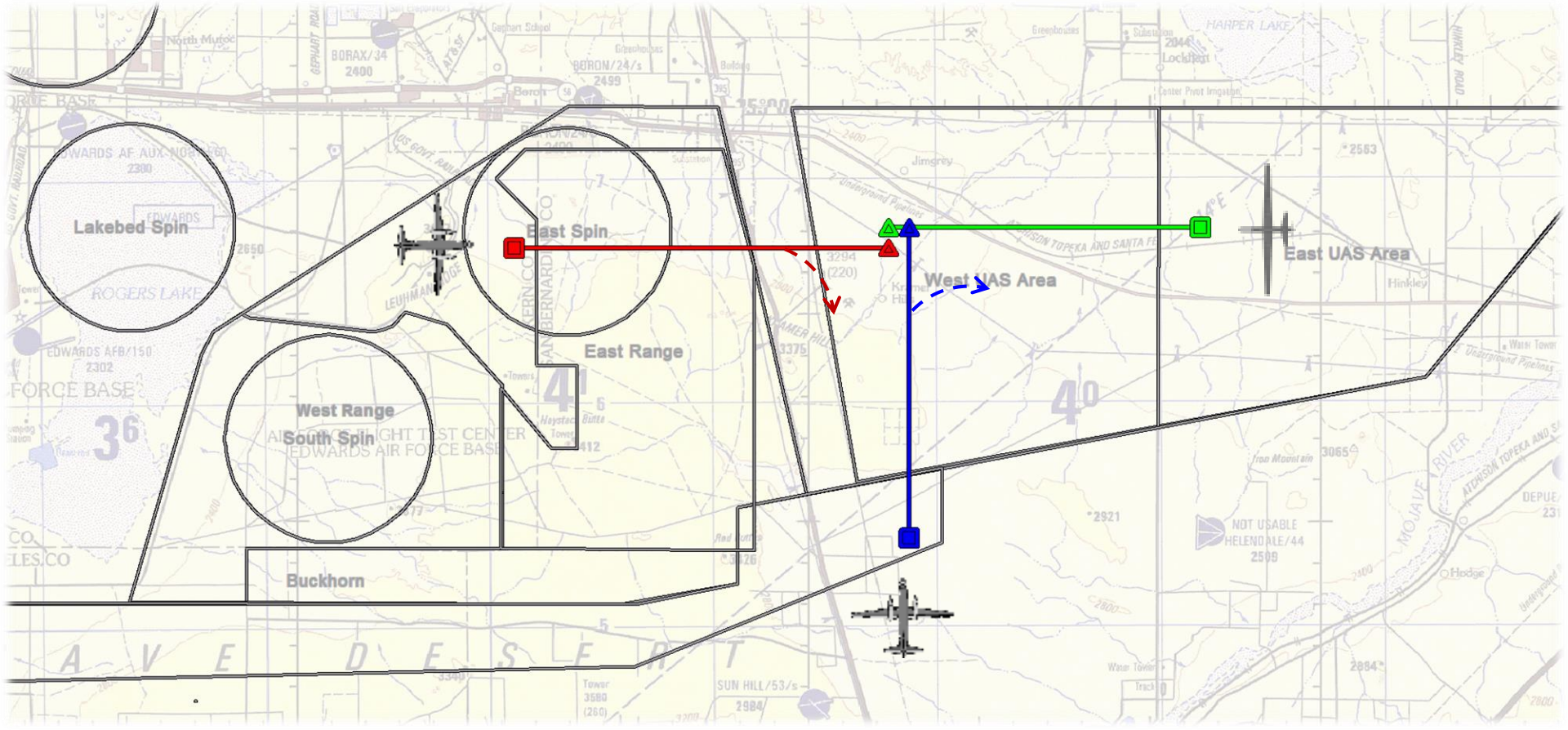


28_M59V



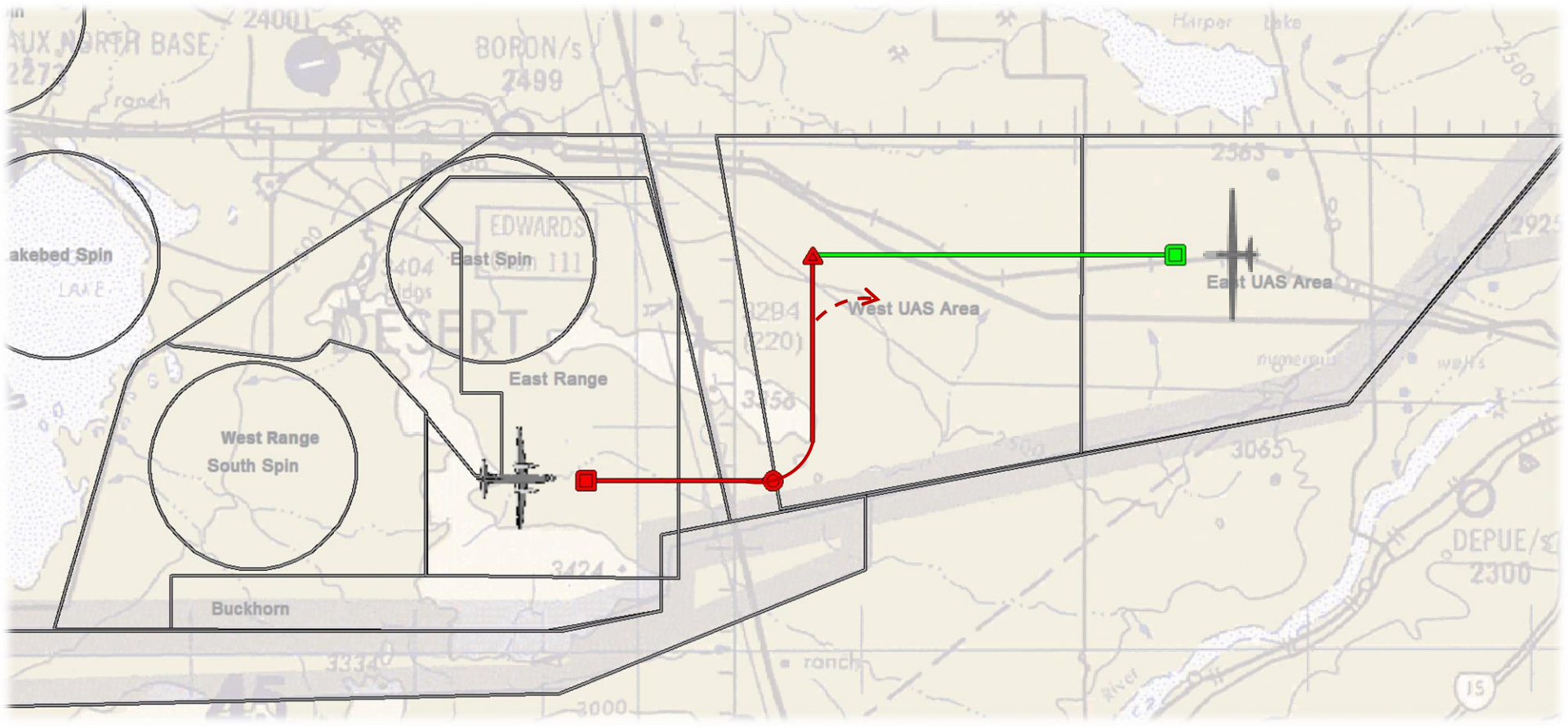


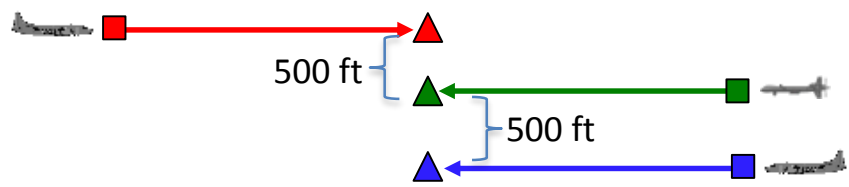
48_M59S



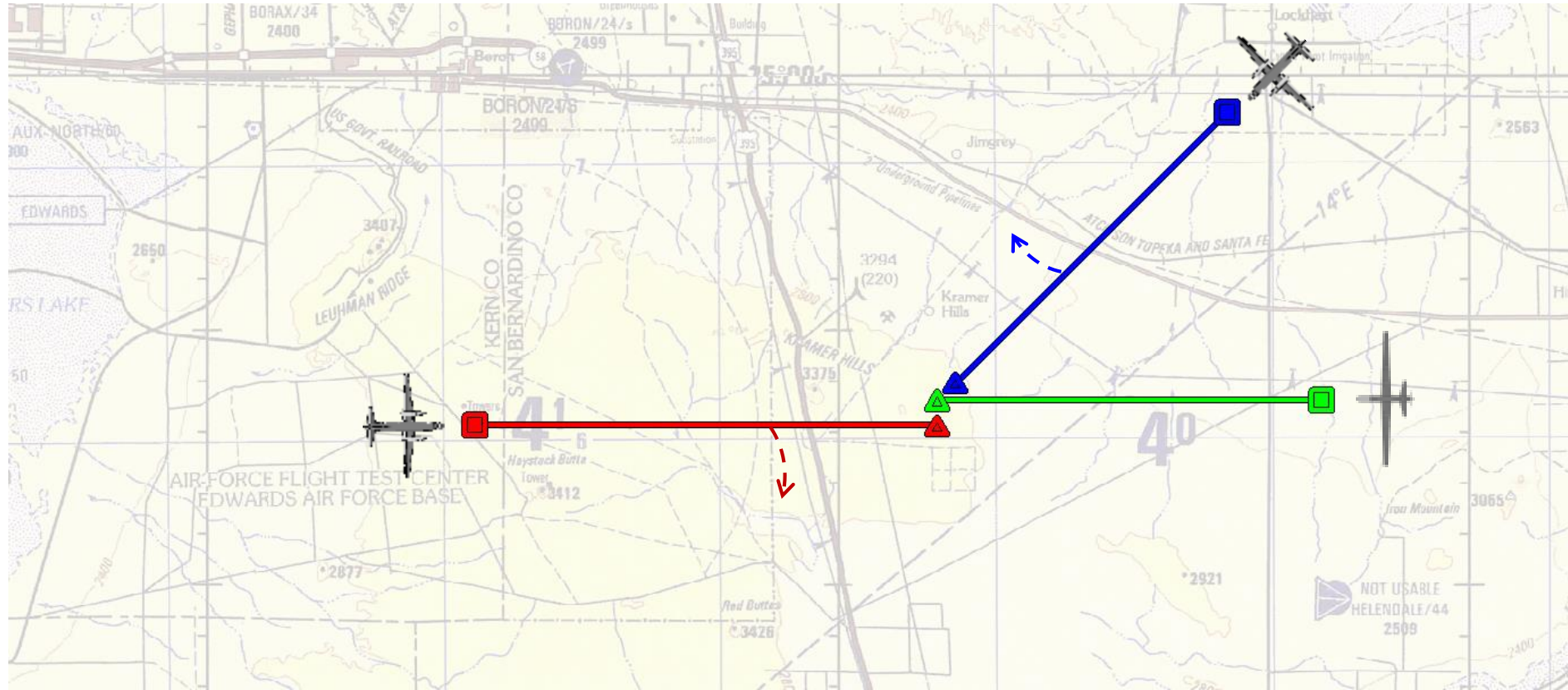


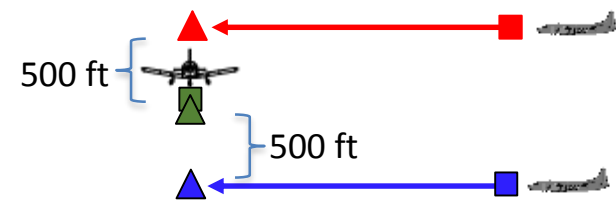
63_L12N



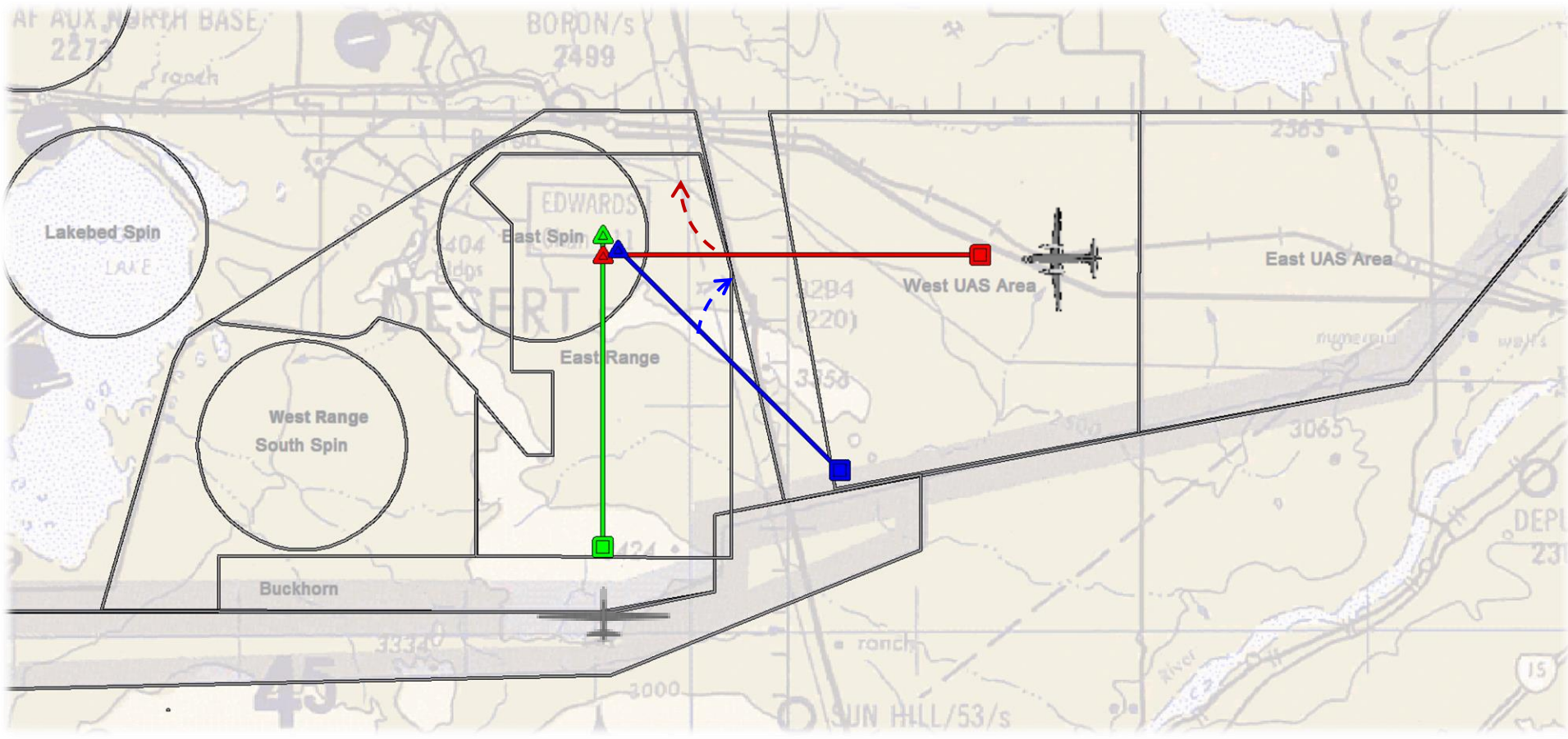


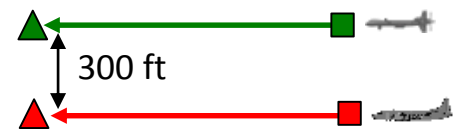
70_M59T



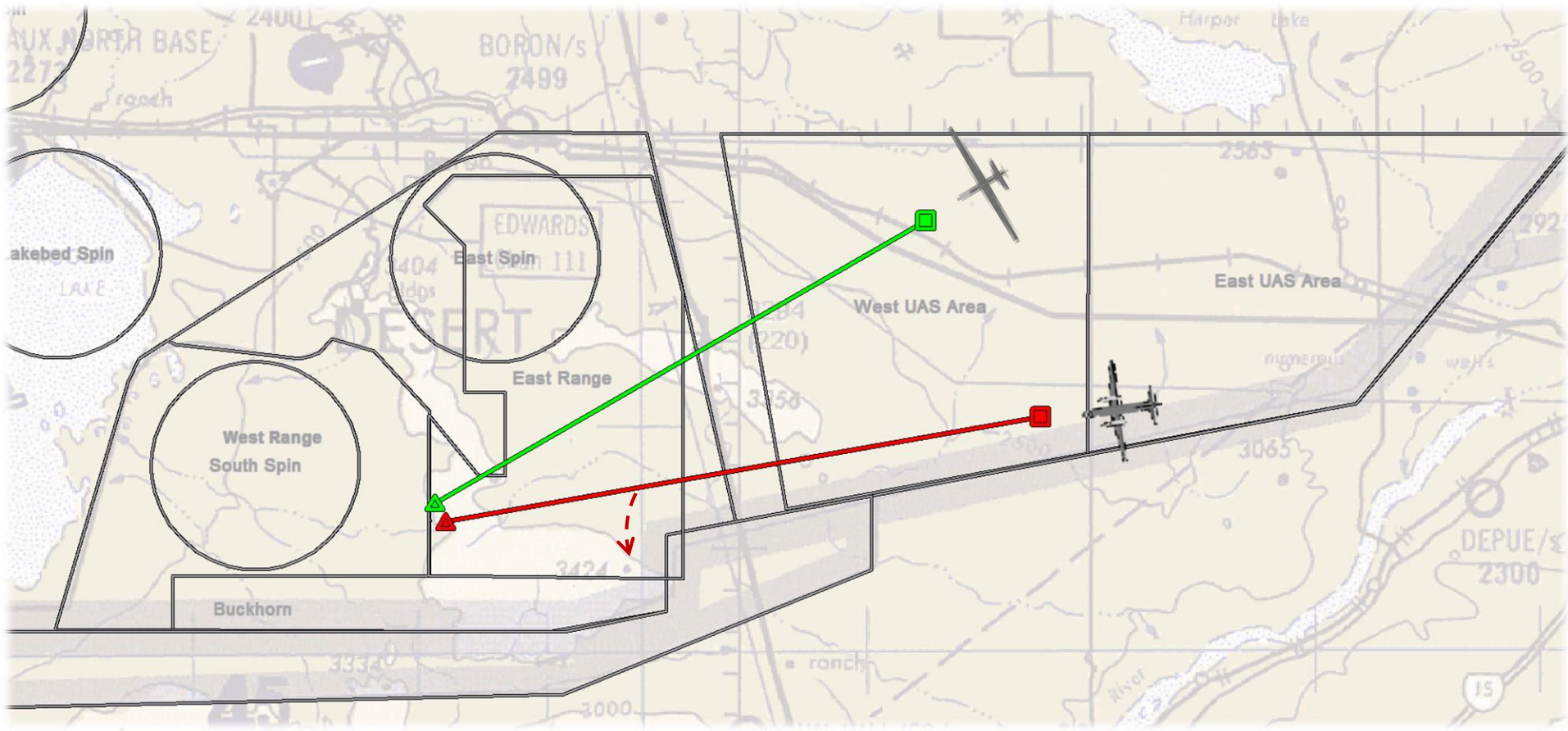


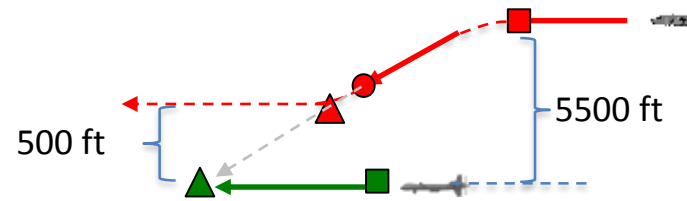
71_M59W



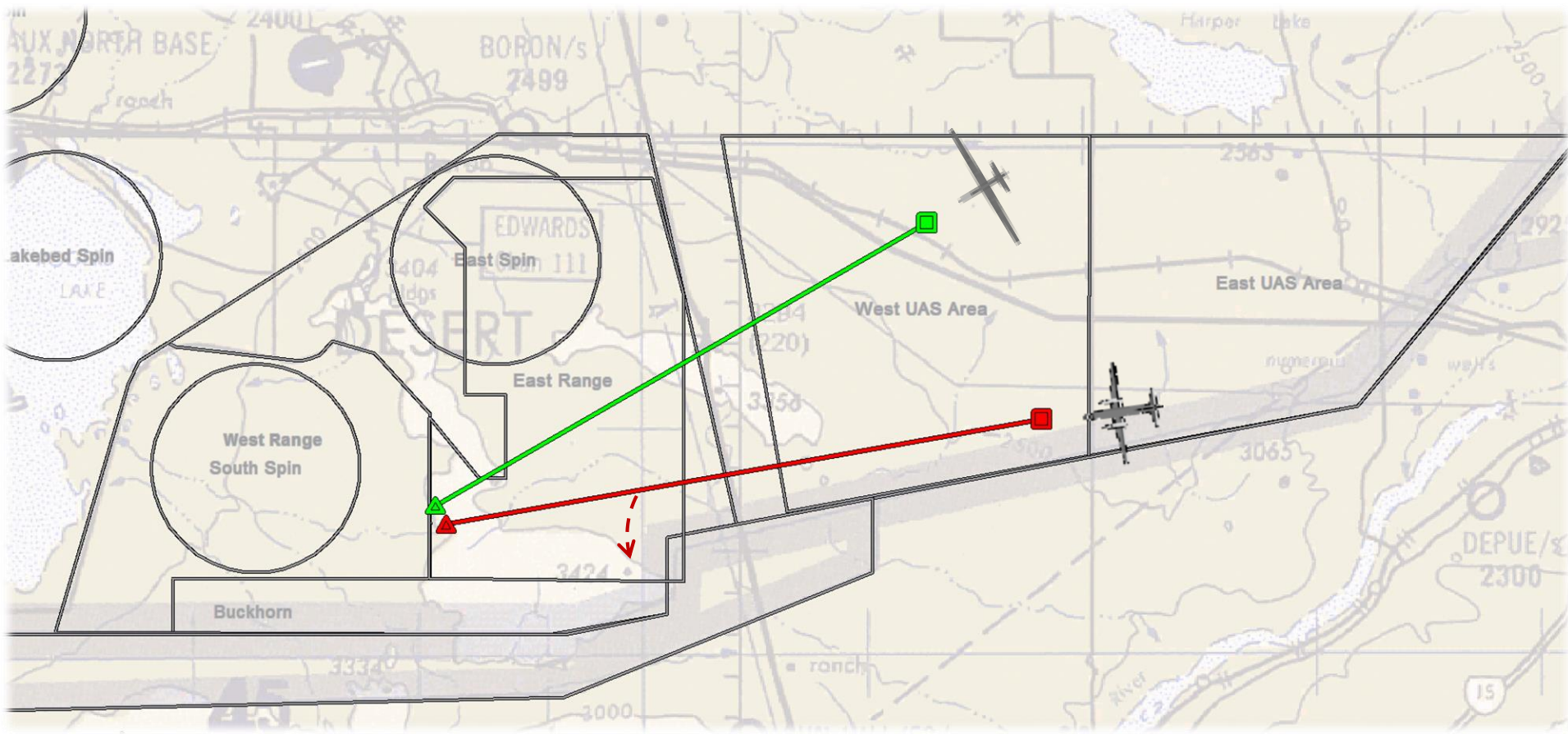


122_L31G





125_L54G



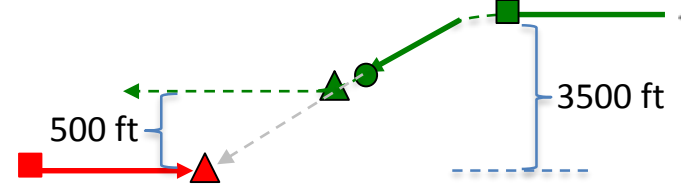
Flight 9

Card #	Scenario	Priority	Configuraton	Ownship	Manuever	Intruder	Notes
X	Altimeter Calibration						
1	72 - H42A	1					Follow Stratway+ Display H/S Int
2	72 - H42A	2					Follow Stratway+ Display H/S Int
3	73 - H42C	1					Follow Stratway+ Display H/S Int
4	73 - H42C	2					Follow Stratway+ Display H/S Int
5	74 - H42D	1					Follow Stratway+ Display H/S Int
6	74 - H42D	2					Follow Stratway+ Display H/S Int
7	75 - H42F	1					Follow Stratway+ Display H/S Int
8	75 - H42F	2					Follow Stratway+ Display H/S Int
9	76 - M59R	1		Stratway+			Follow Stratway+ Display /865 H/S Int, Multiship
10	76 - M59R	2					Follow Stratway+ Display /865 H/S Int, Multiship
11	77 - M59S	1					Follow Stratway+ Display /865 H/S Int, Multiship
		2					Follow Stratway+ Display /865 H/S Int, Multiship
		1					Follow Stratway+ Display /865 H/S Int, Multiship
		2					Follow Stratway+ Display /865 H/S Int, Multiship
15	23 - L56C	2					Follow Stratway+ Display 865
16	44 - L56D	2					Follow Stratway+ Display 865
17	66 - L56F	2					Follow Stratway+ Display 865

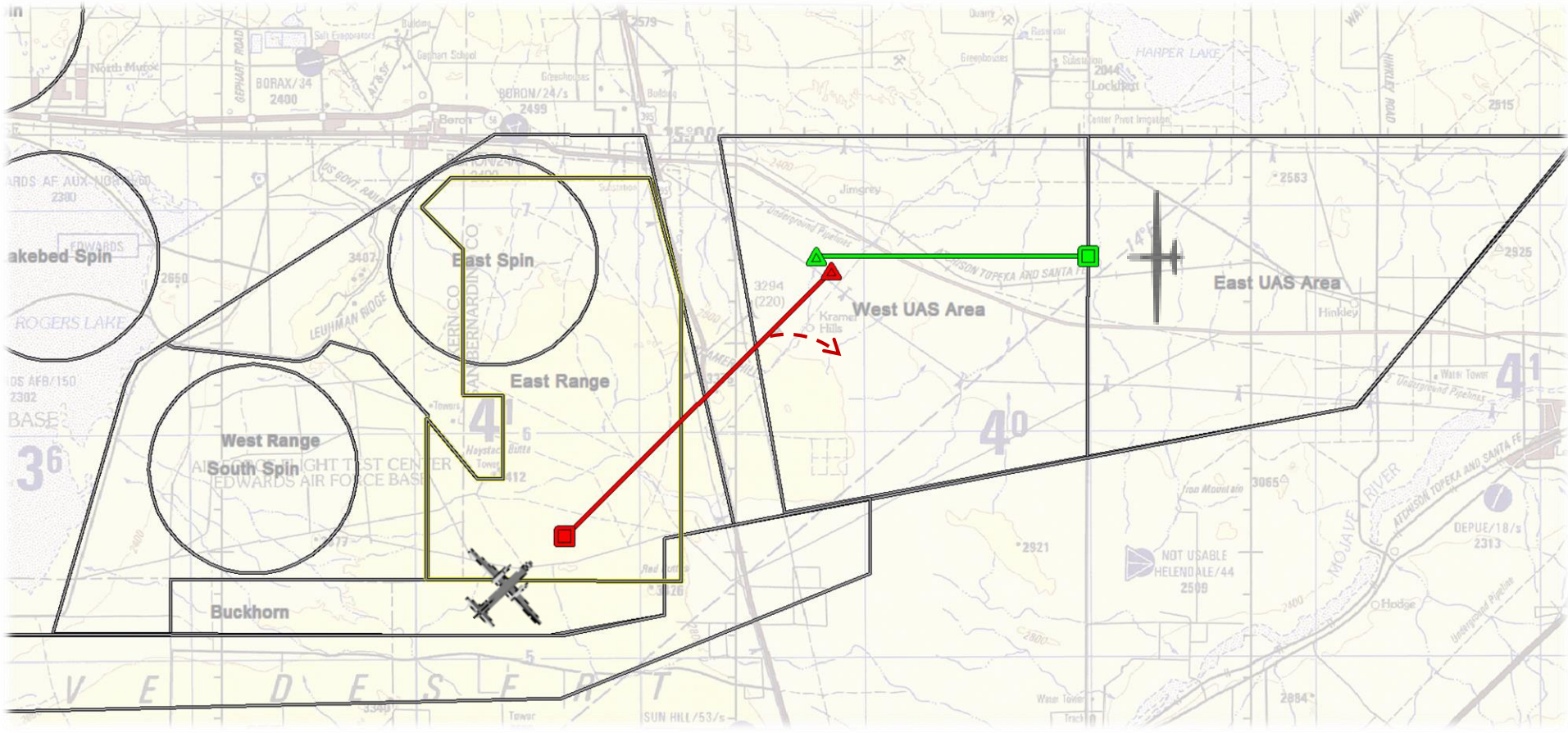
X	Altimeter Calibration							865
18	31 - L32C	2		Stratway+			Follow Stratway+ Display 865	
19	51 - L32D	2					Follow Stratway+ Display 865	

Flight 9

Stratway+

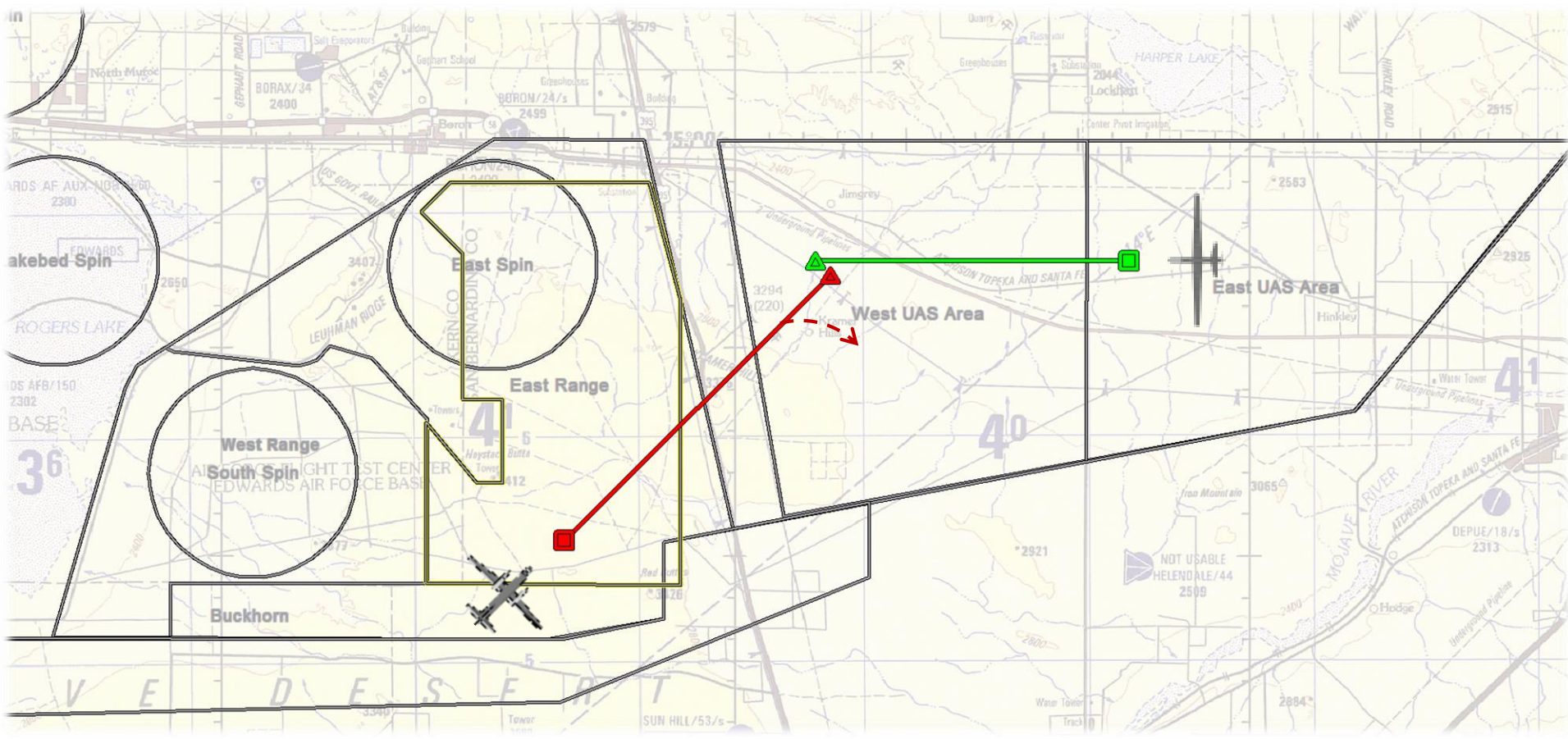


23_L56C





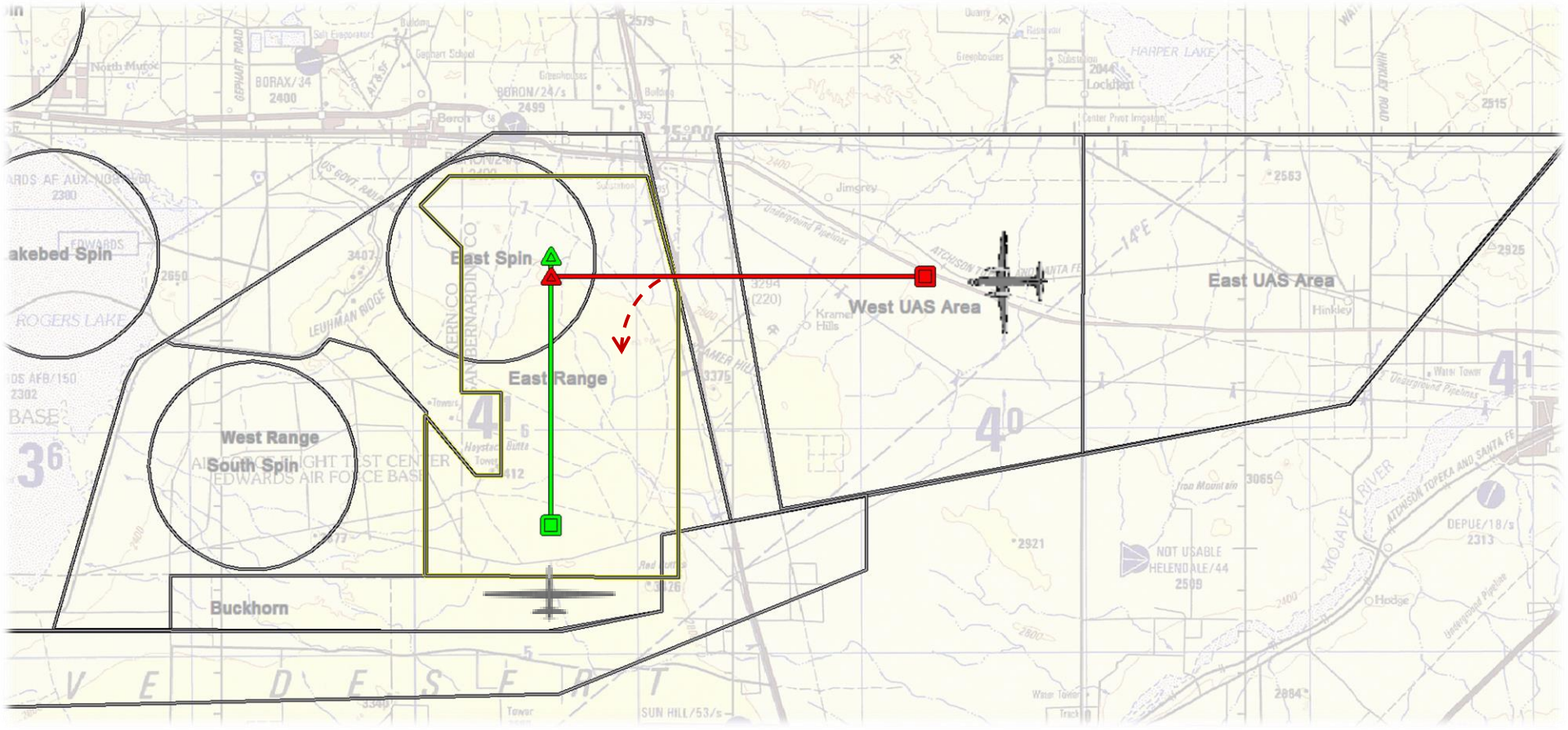
31_L32C

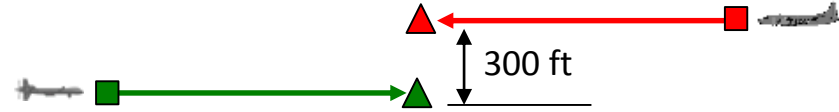


3500 ft

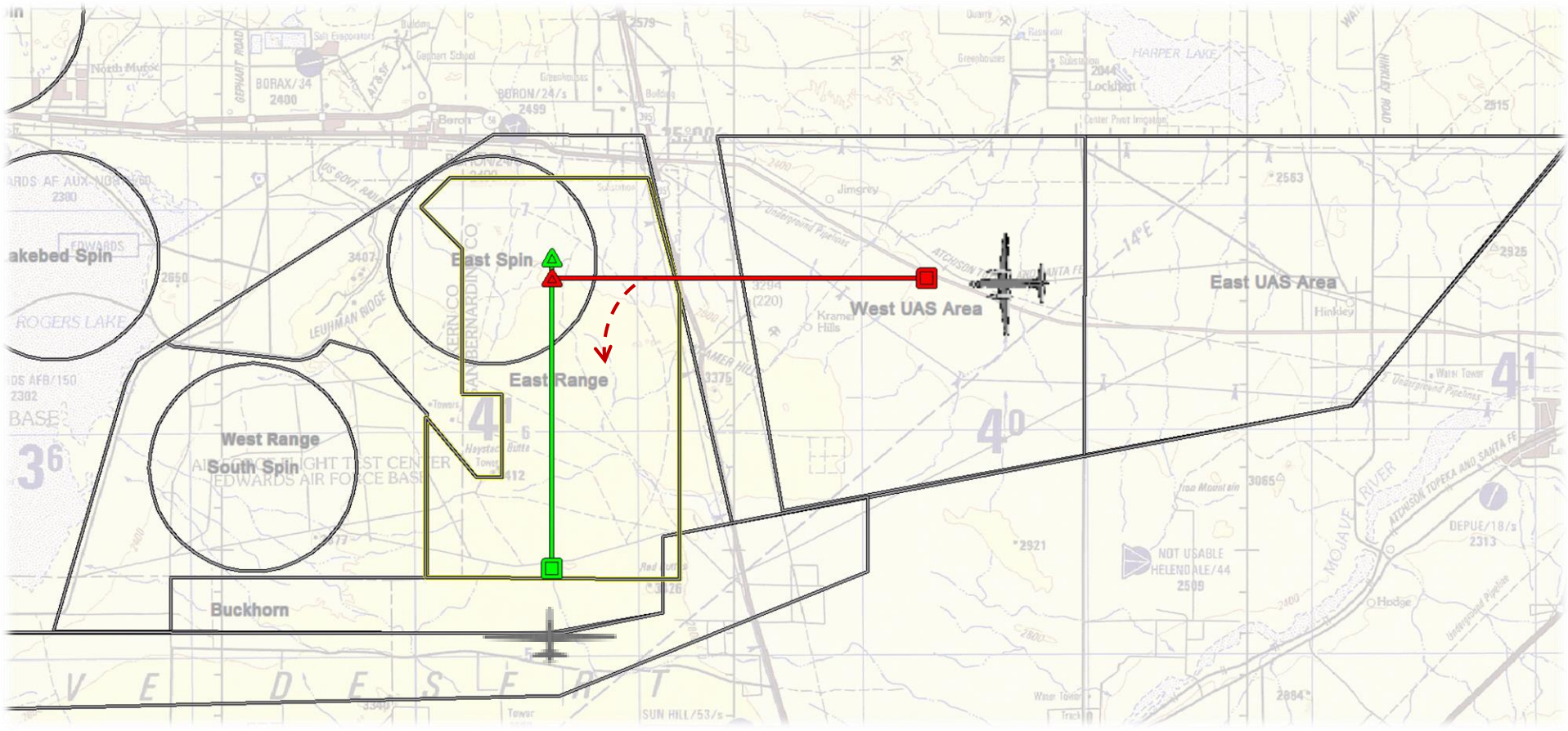
500 ft

44_L56D





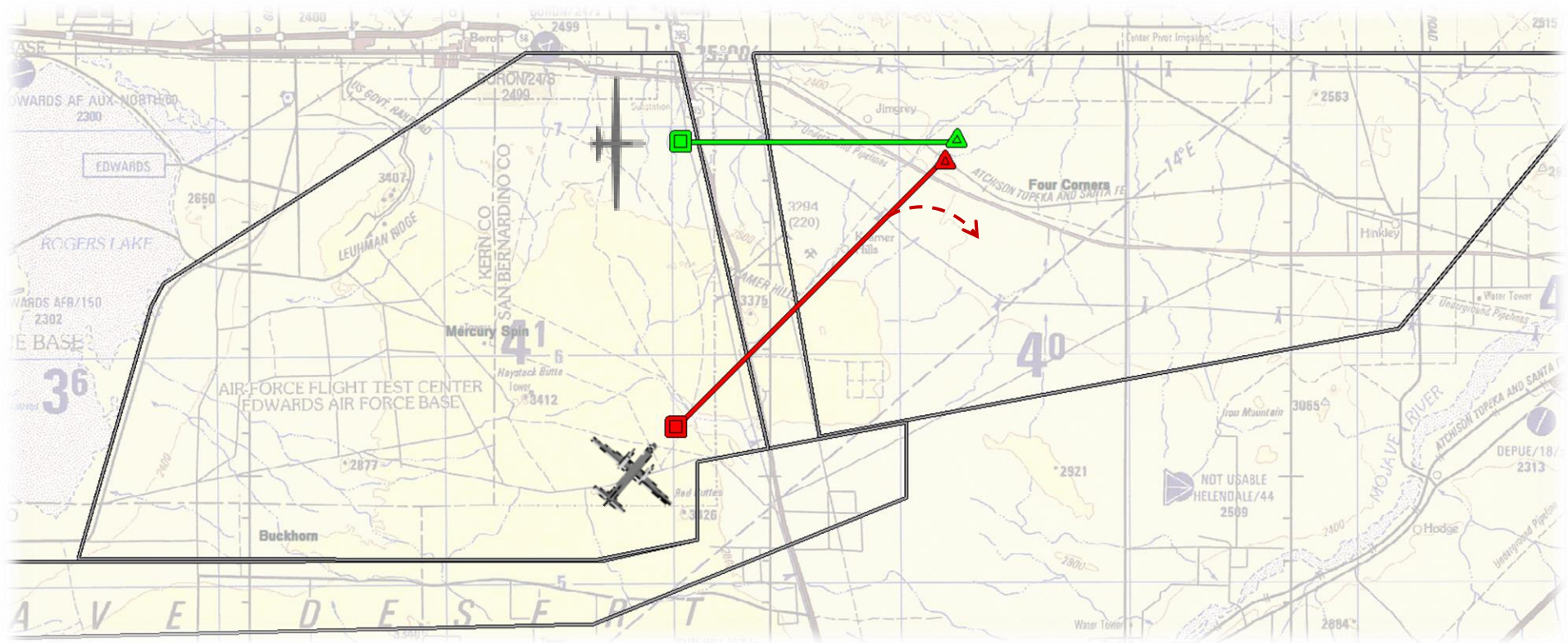
51_L32D



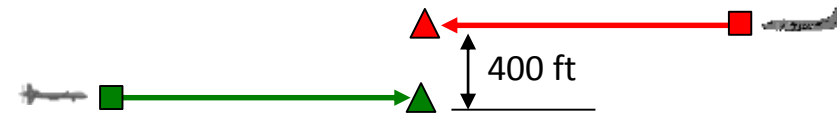
3500 ft

500 ft

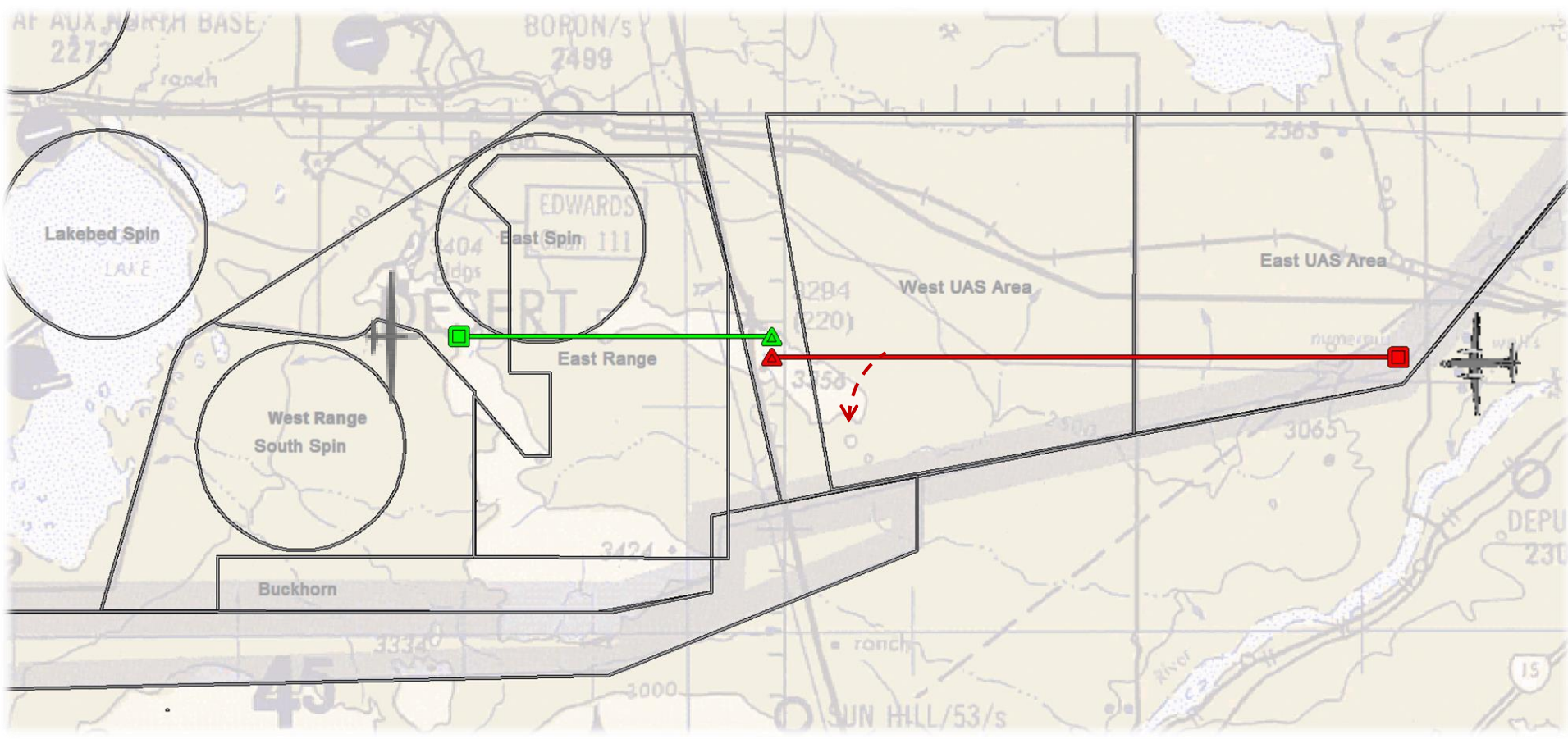
66_L56F

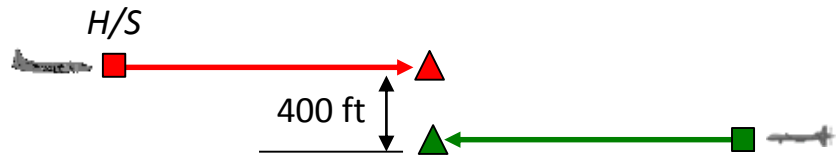


H/S

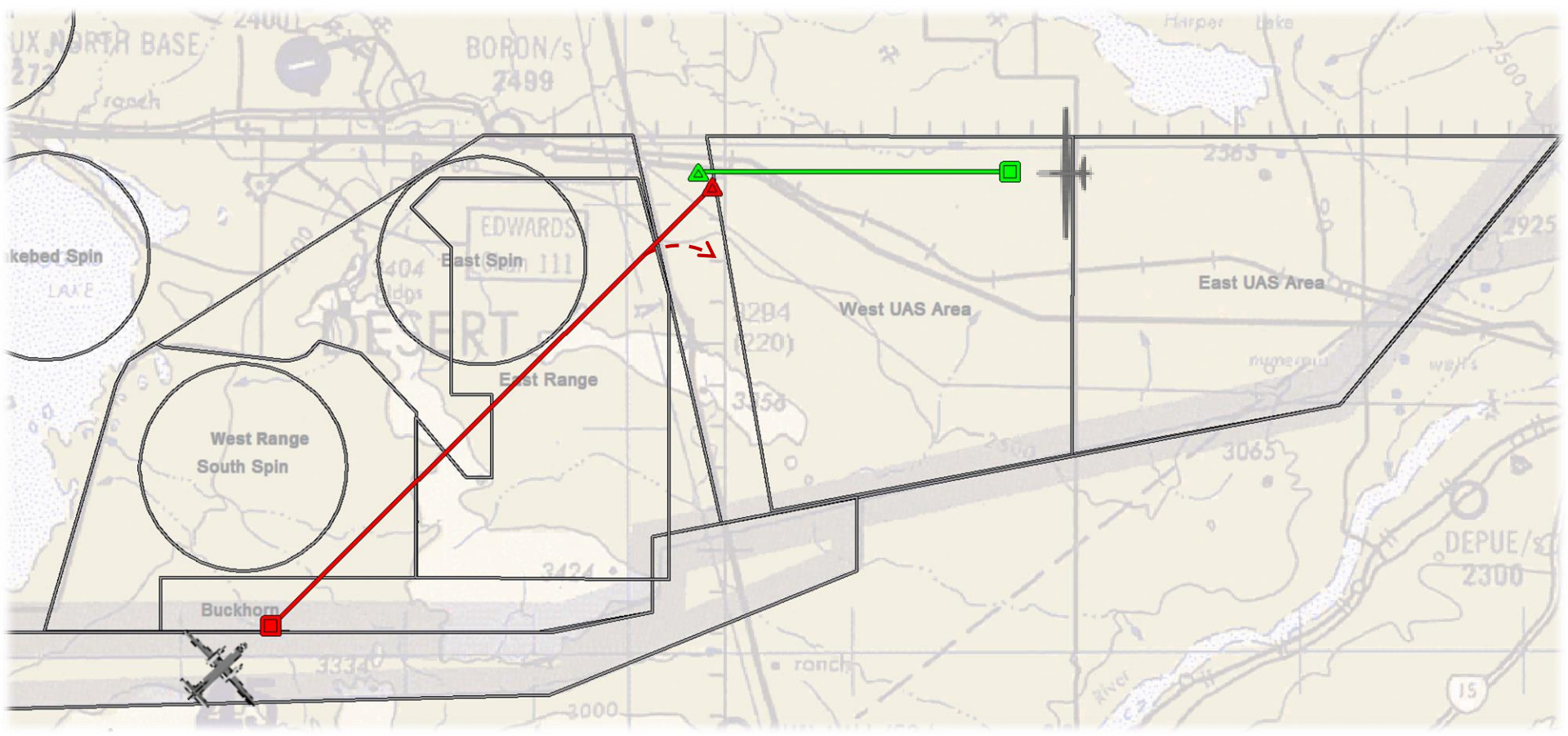


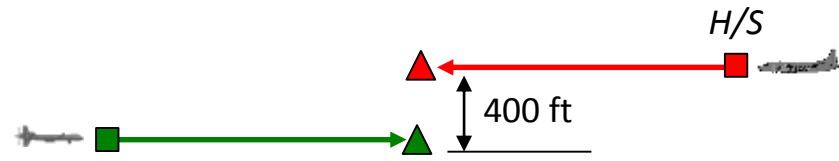
72_H42A



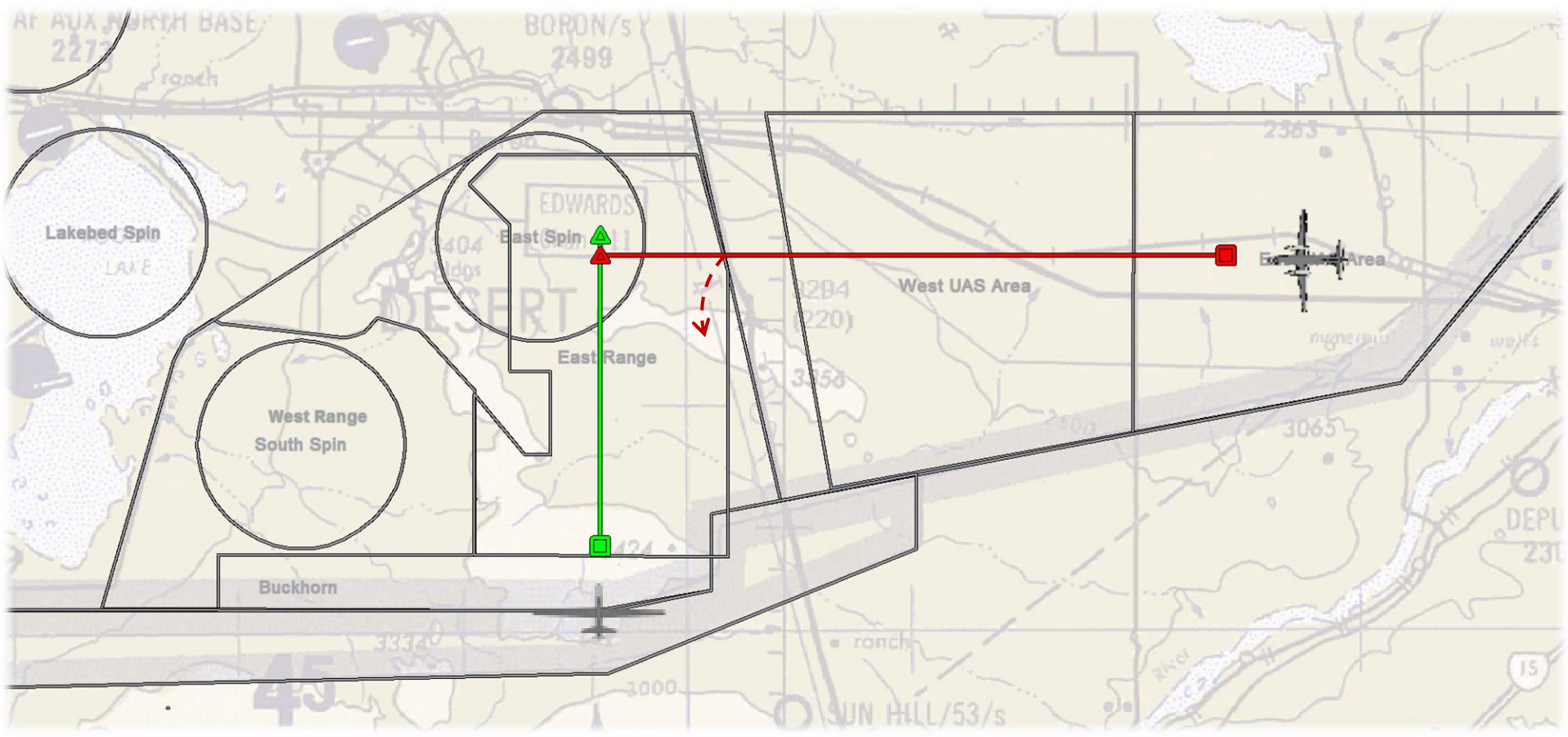


73_H42C

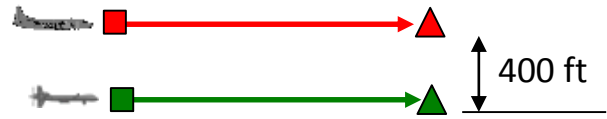




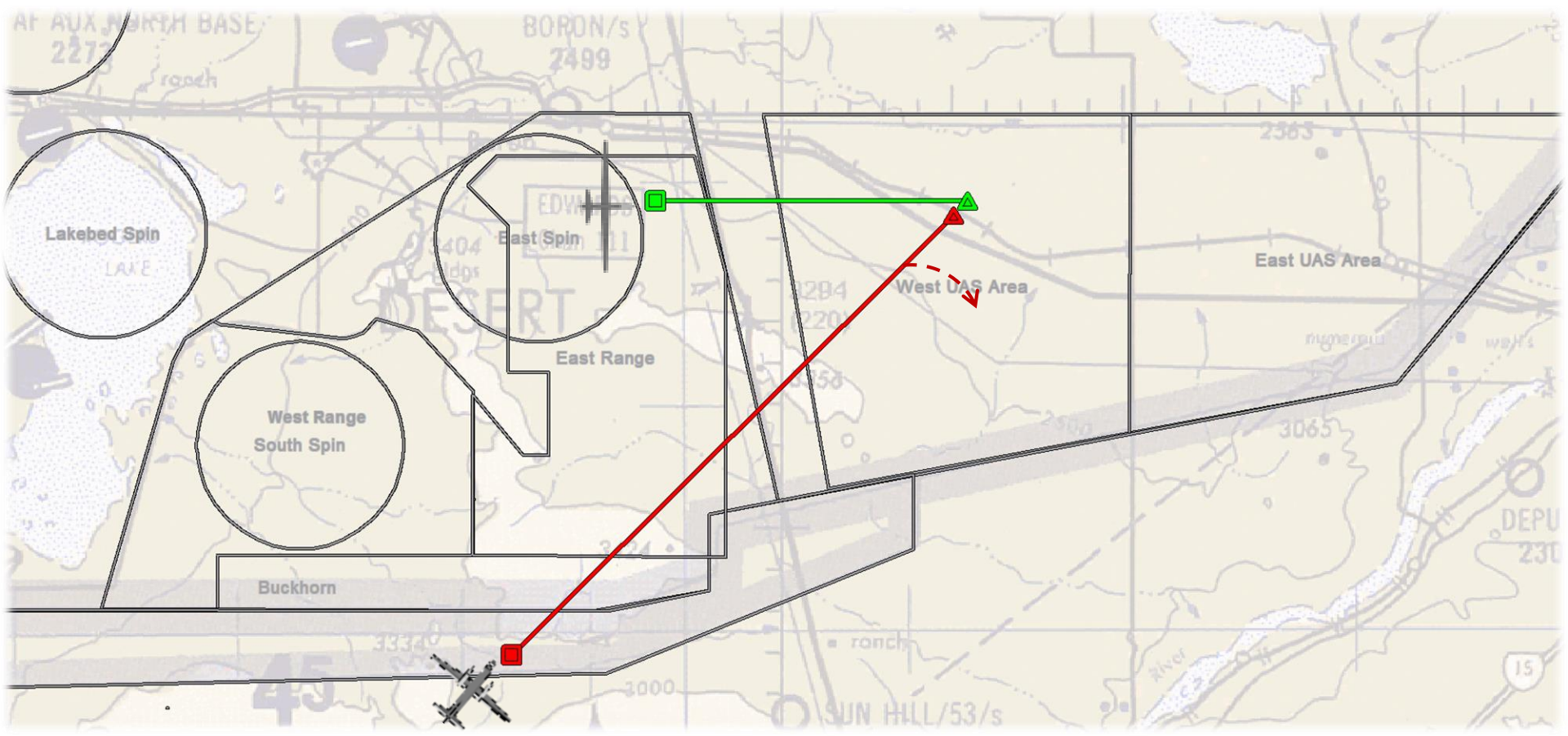
74_H42D

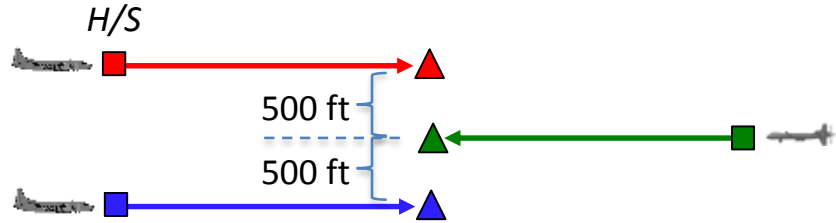


H/S

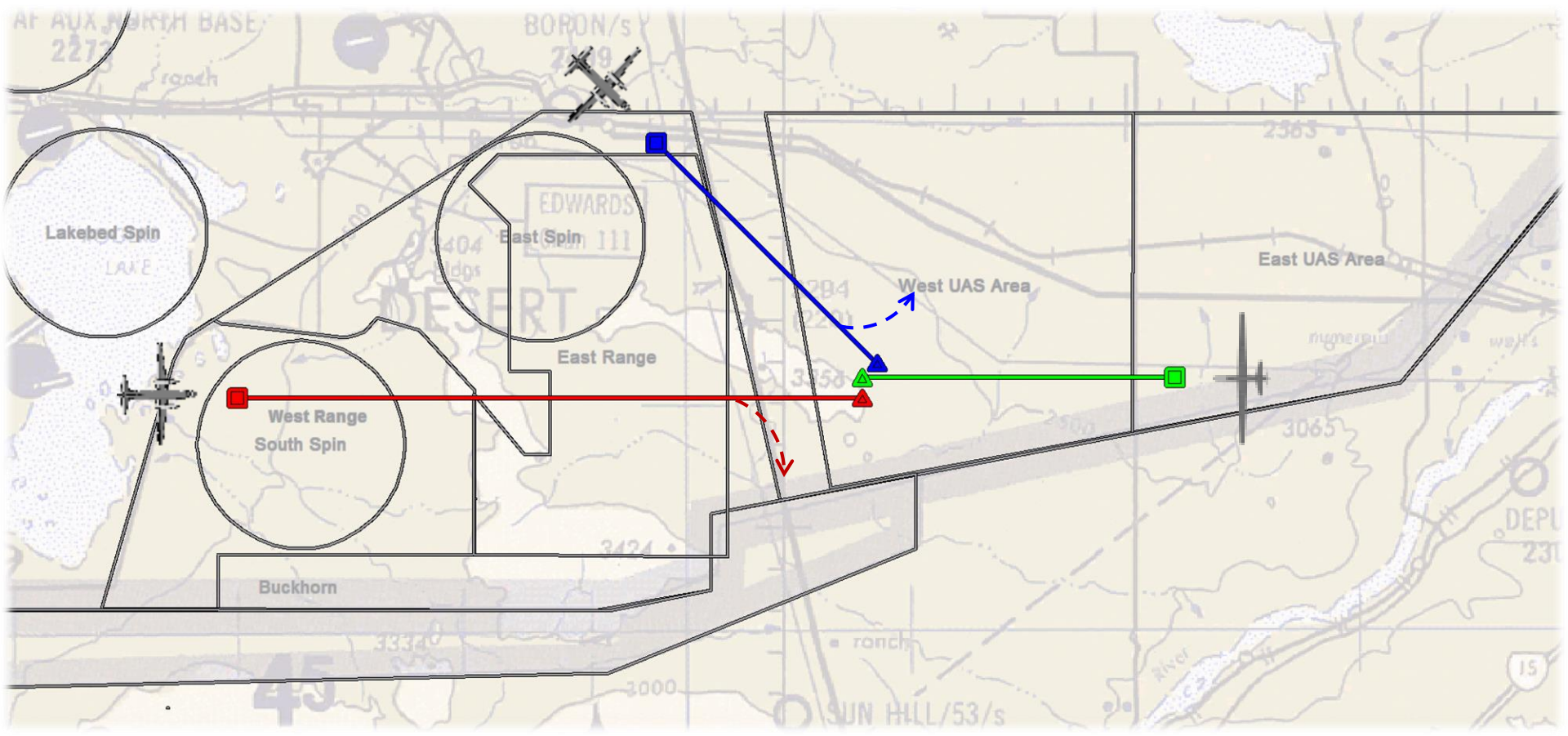


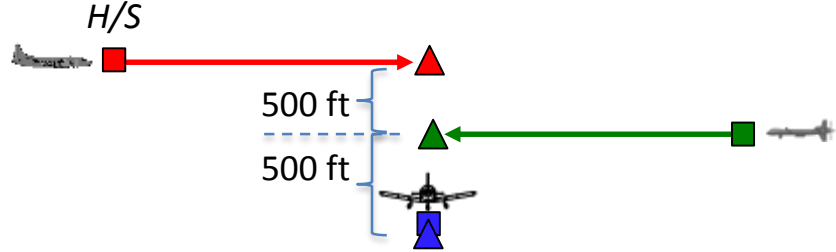
75_H42F



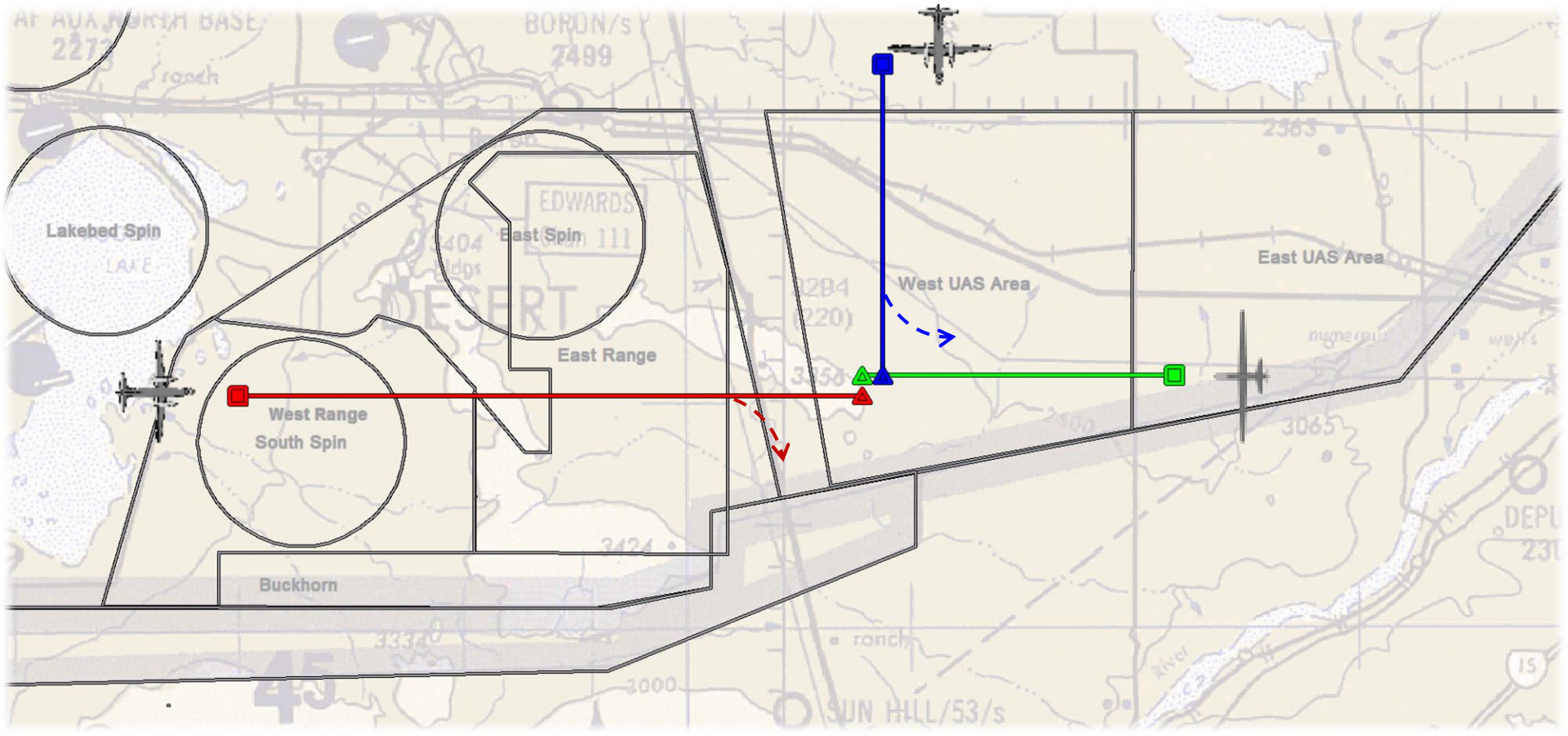


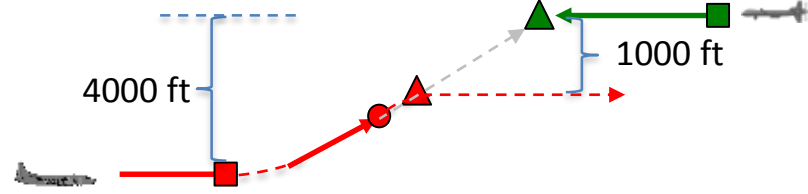
76_M59R



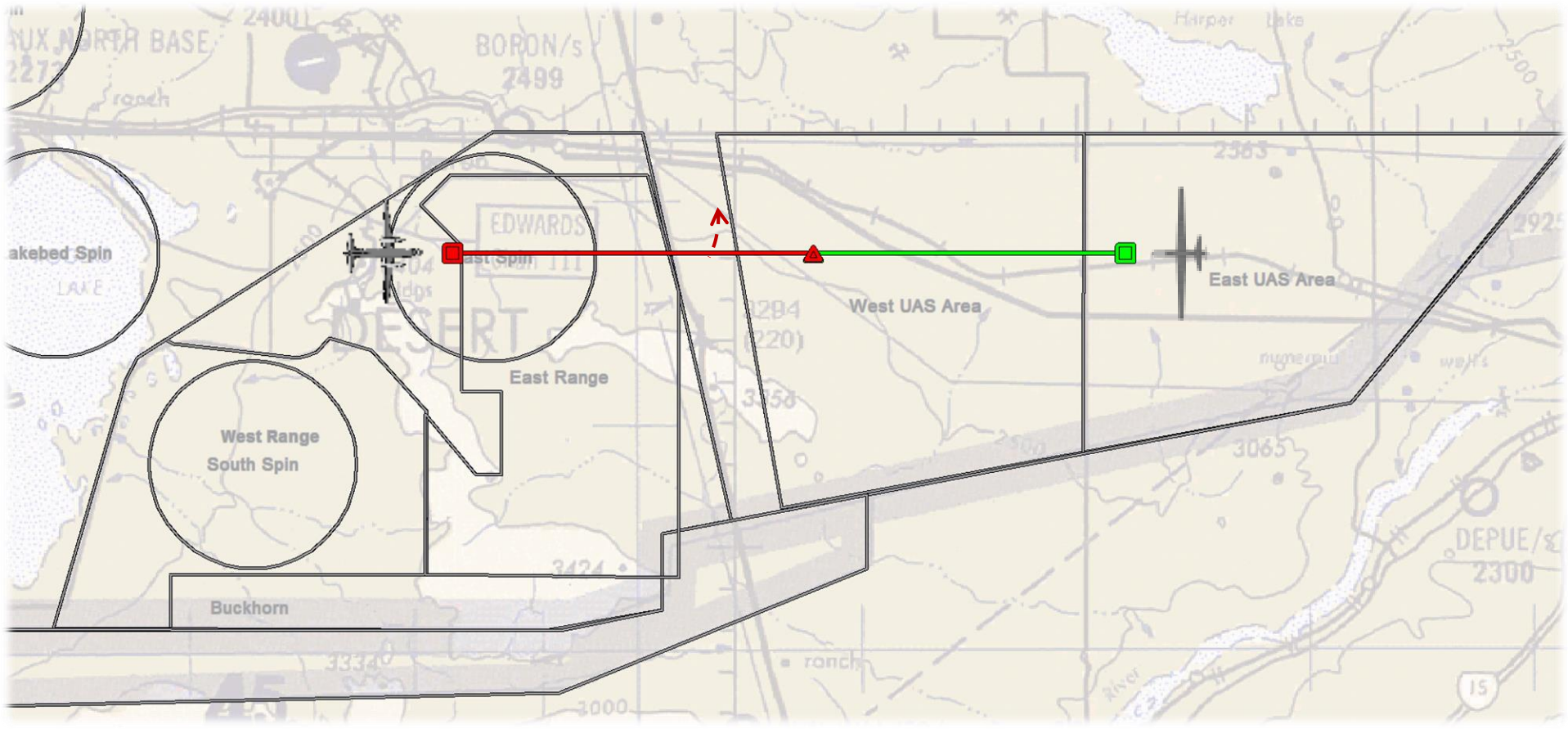


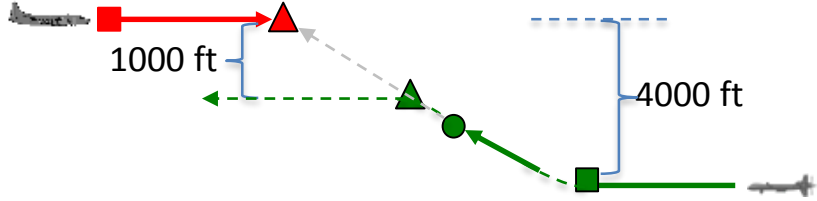
77_M59S



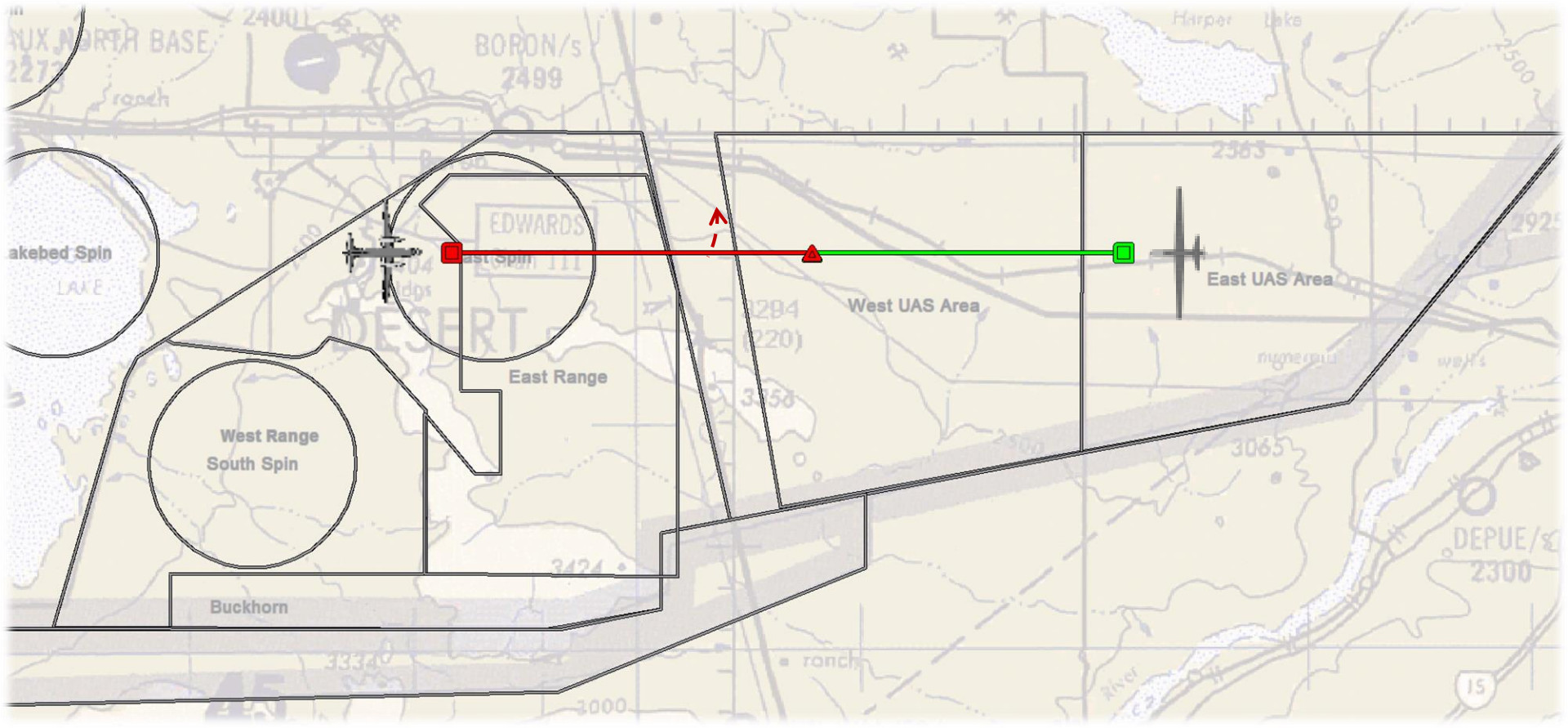


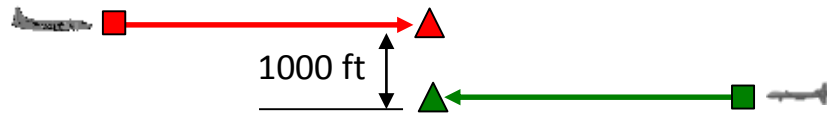
11_L13A



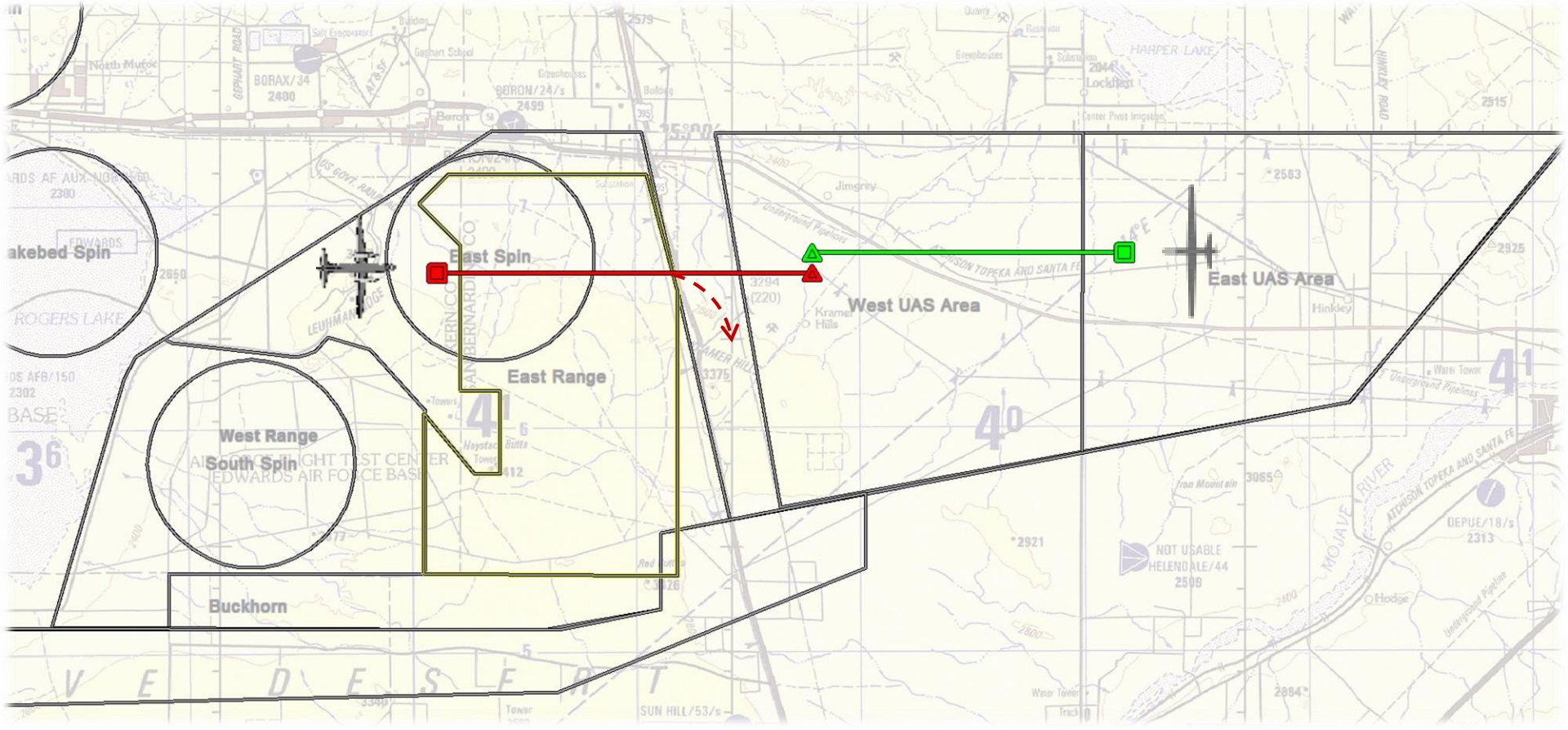


15_L15A



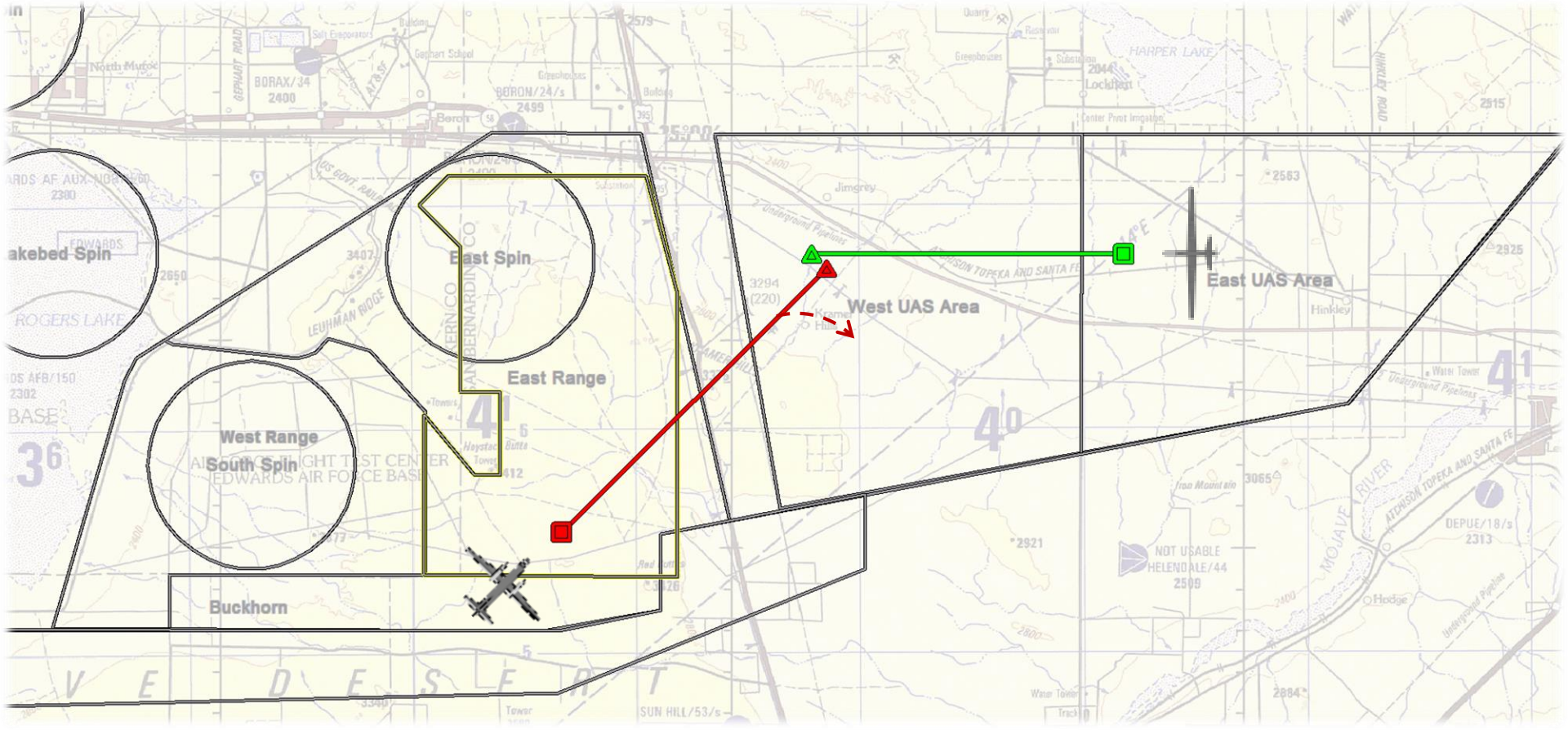


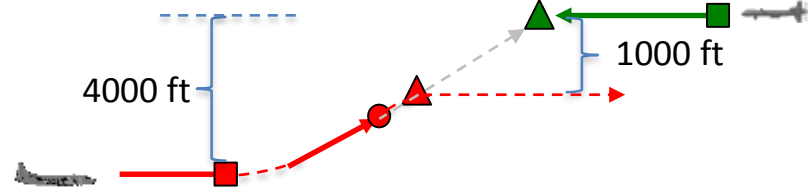
18_L12A



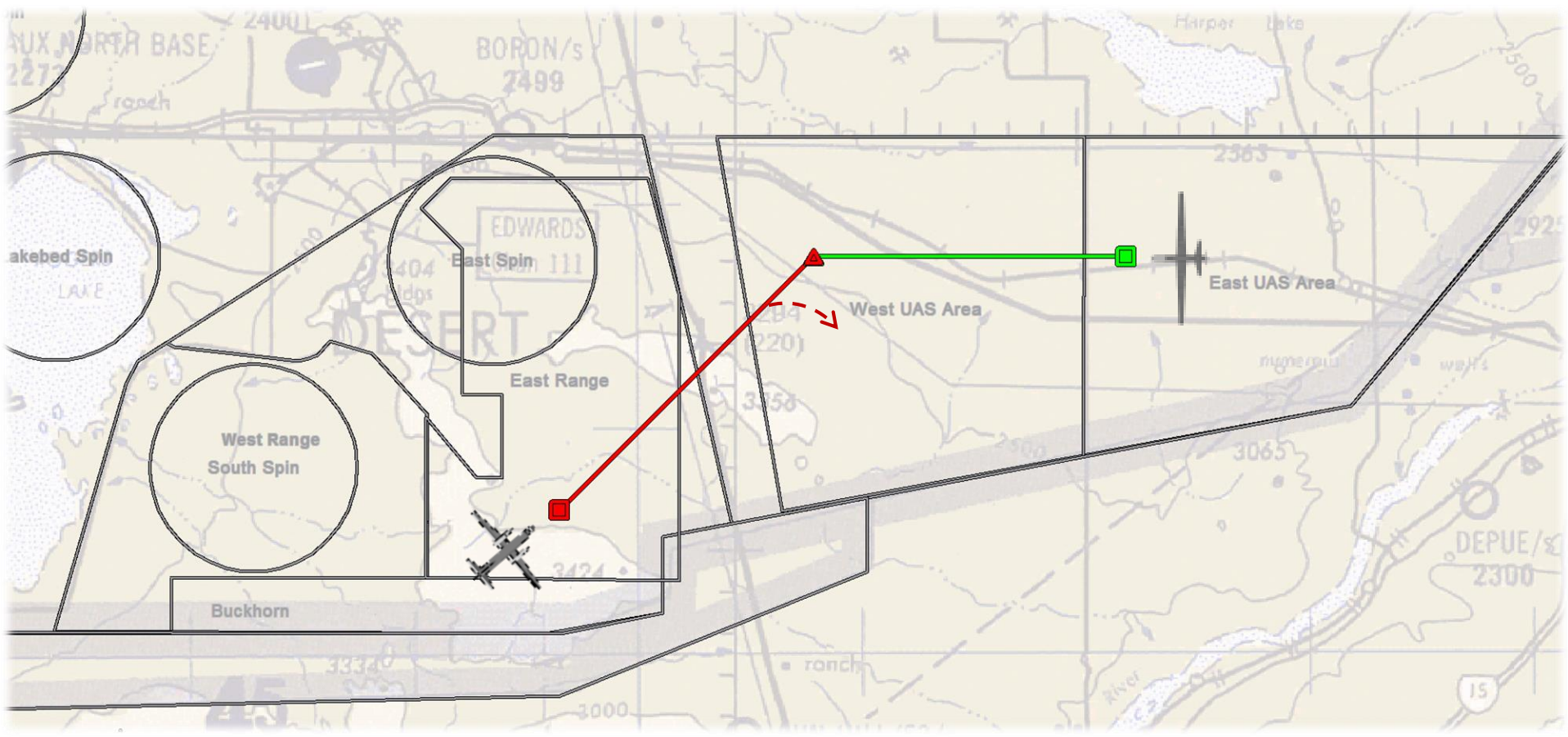


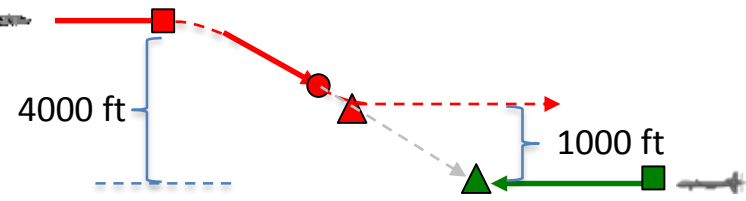
29_L12C



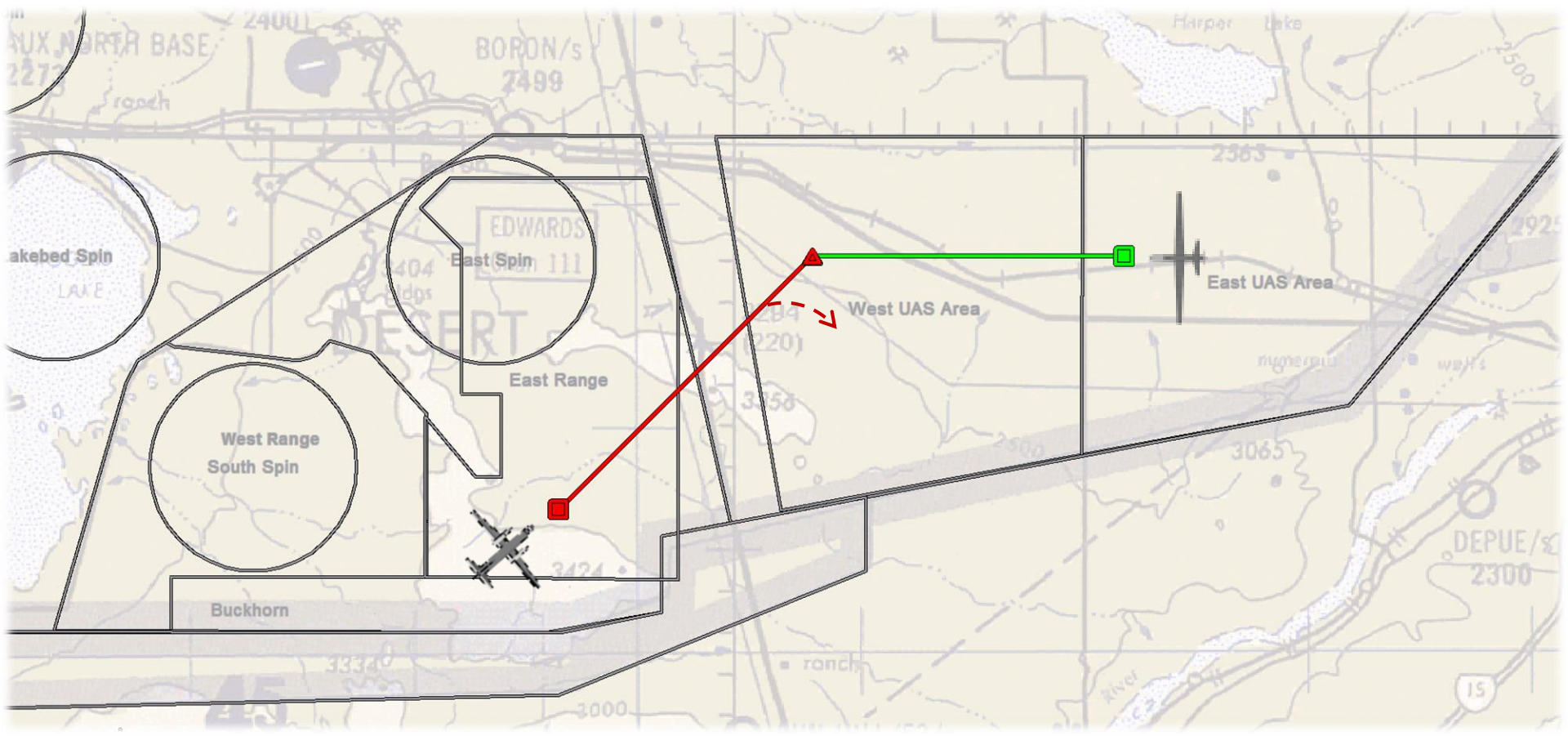


33_L13C





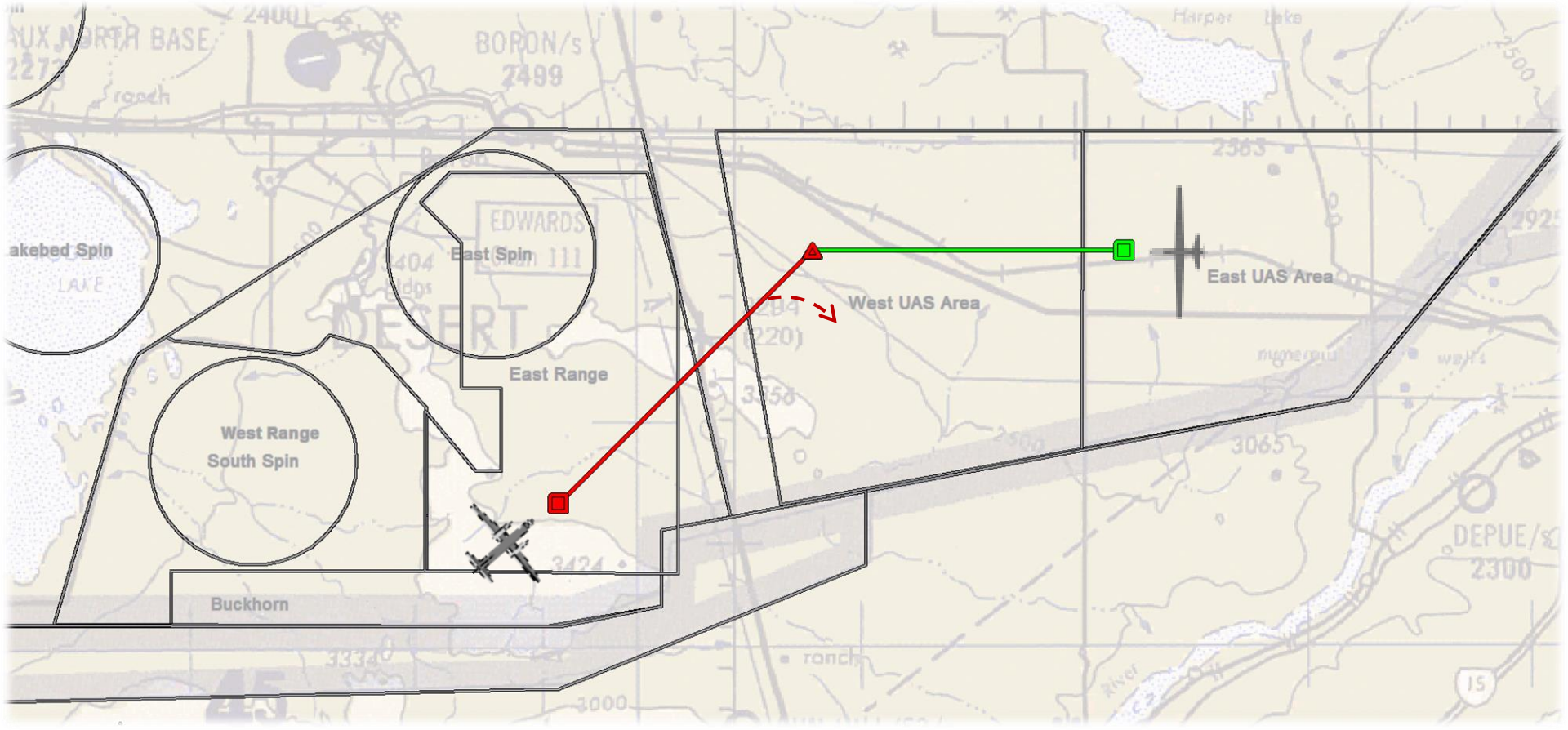
35_L14C



1000 ft

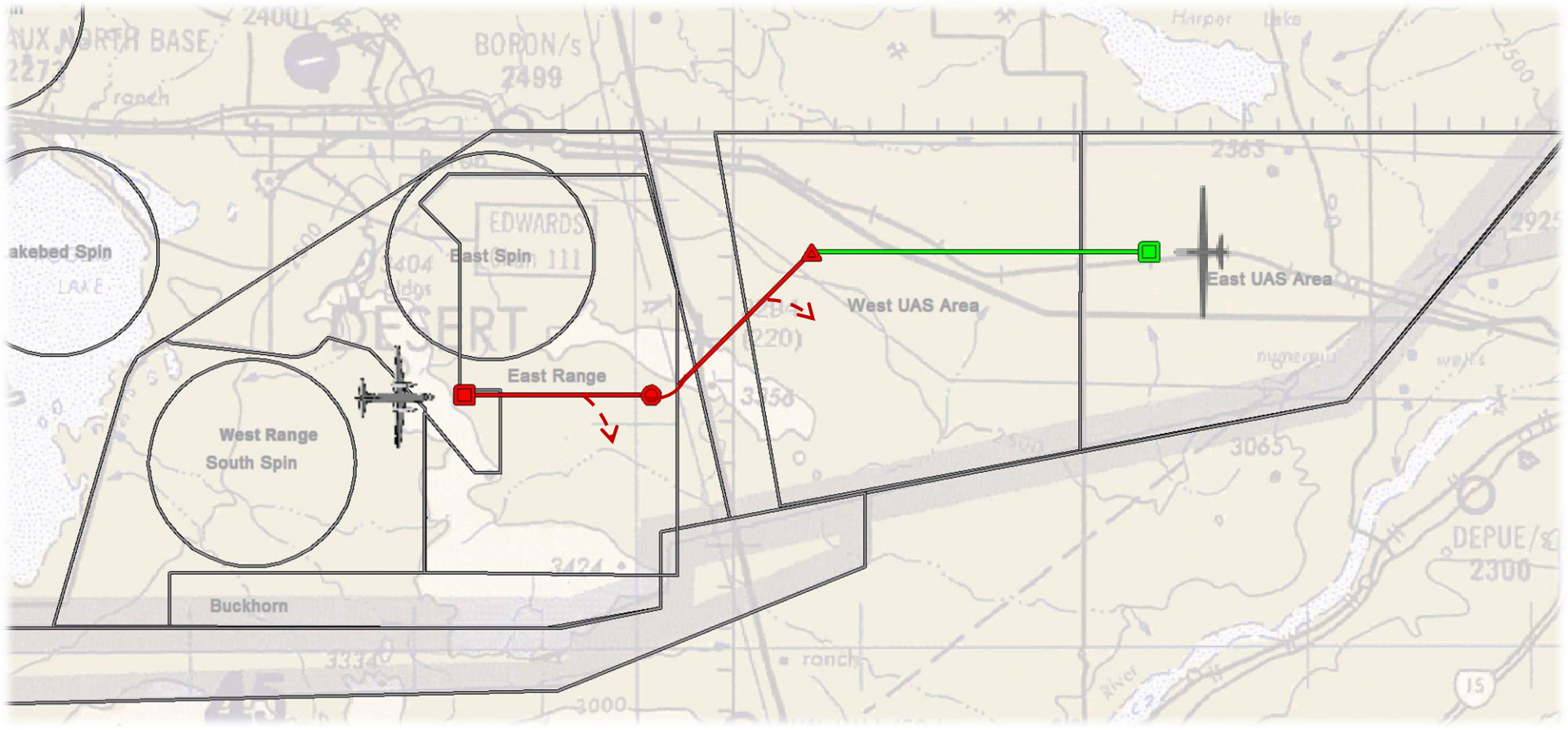
4000 ft

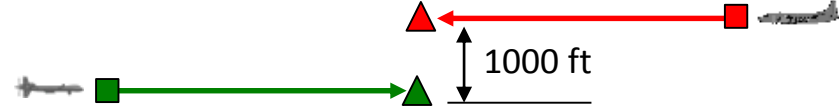
37_L15C



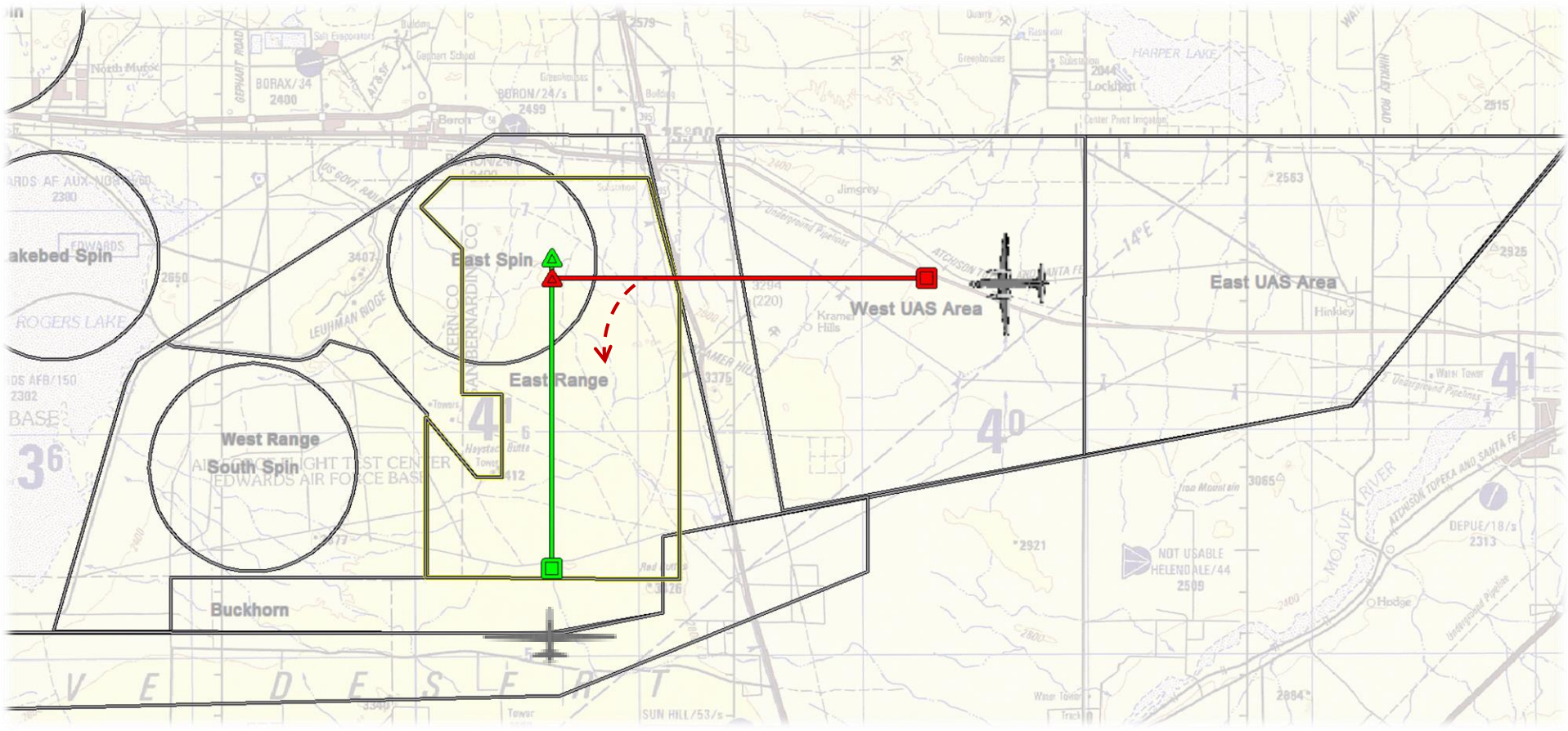


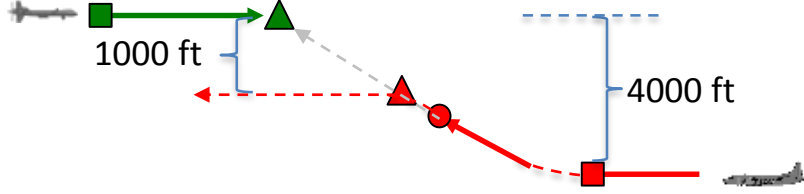
41_L12M



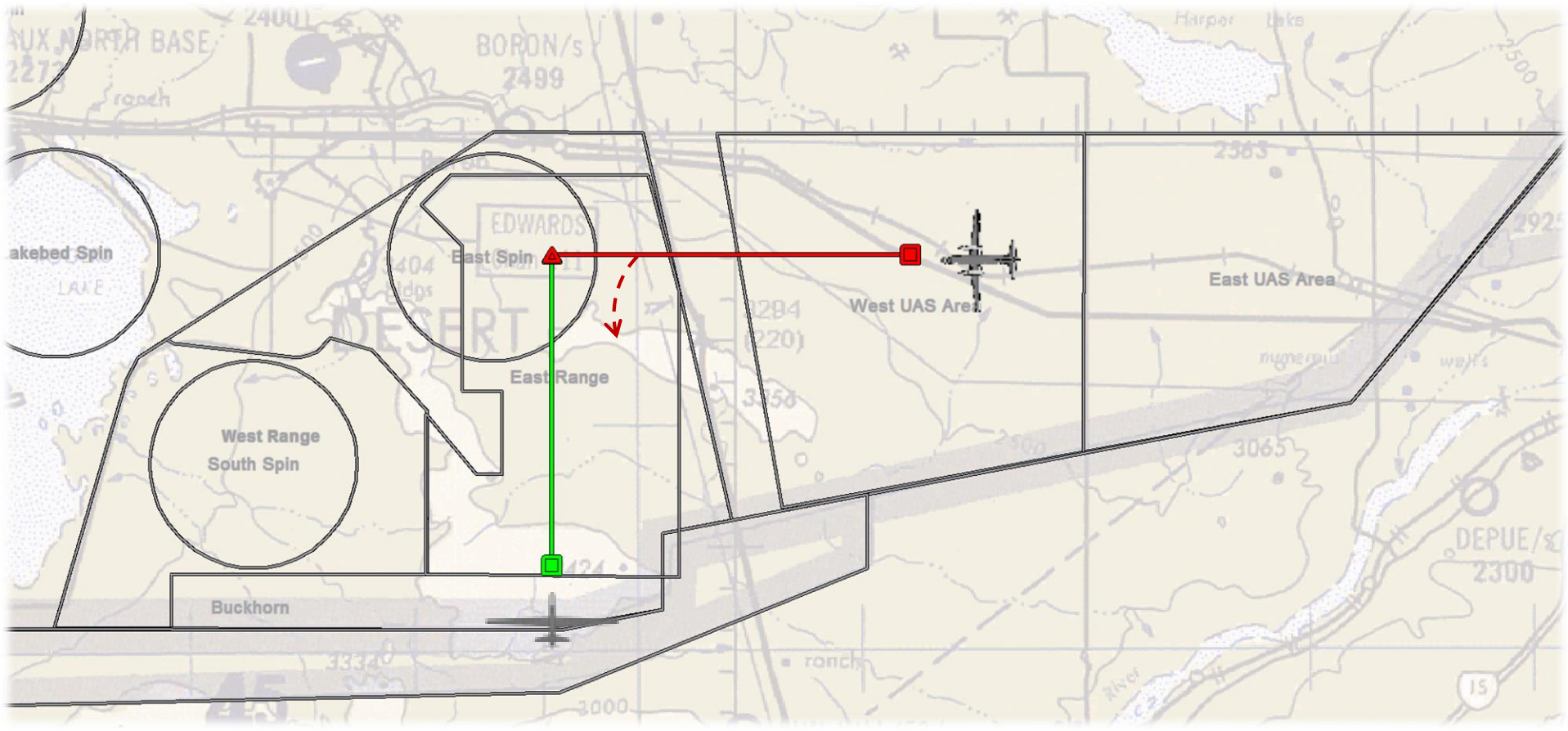


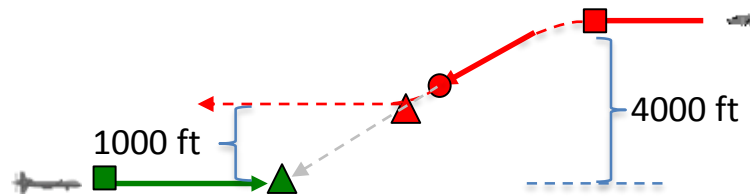
49_L12D



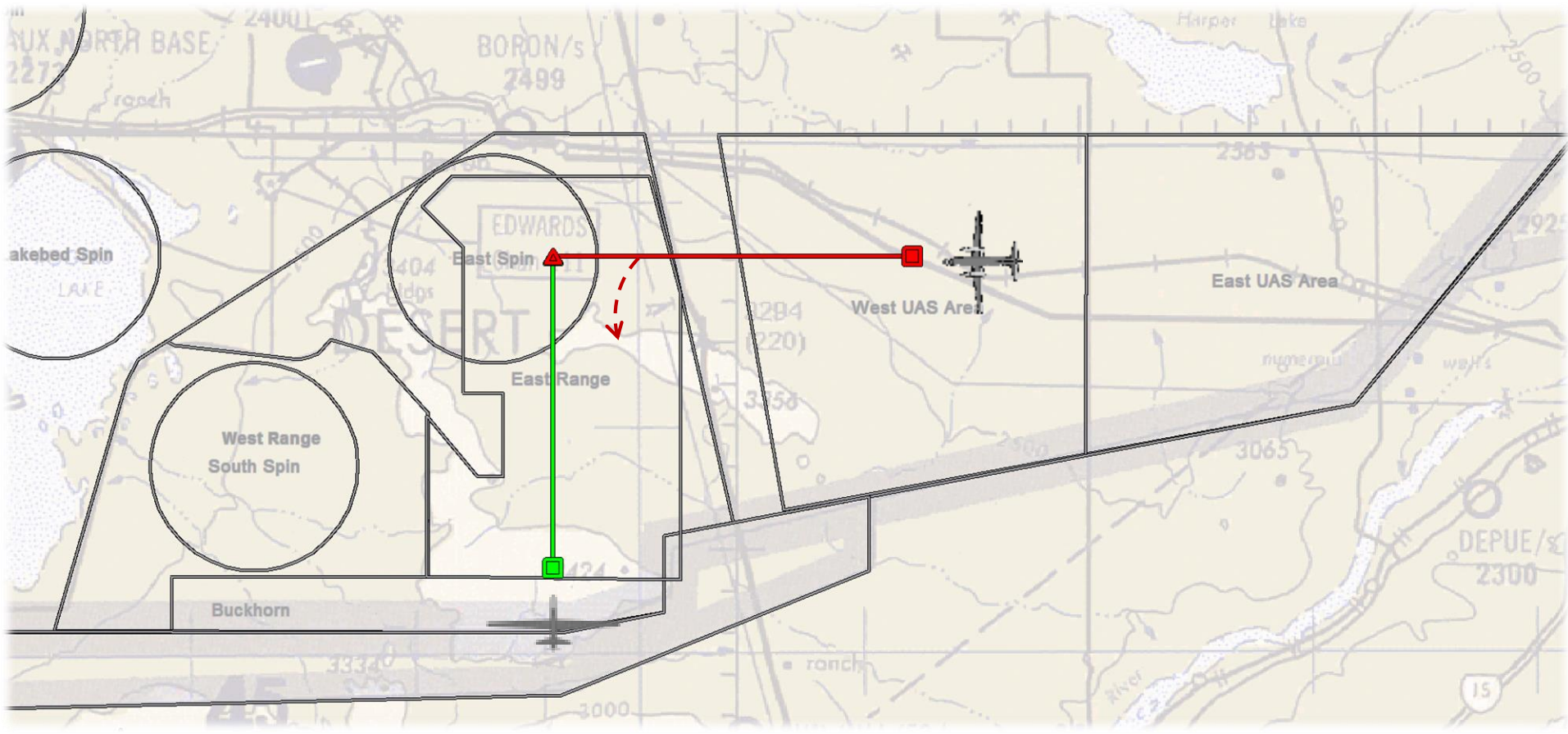


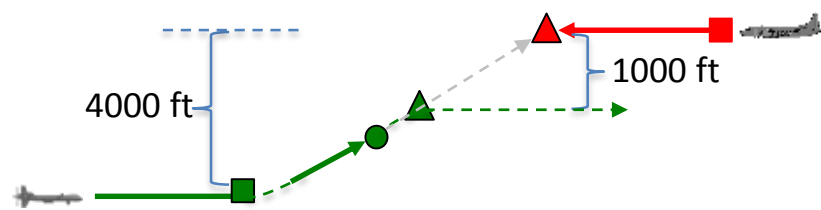
53_L13D



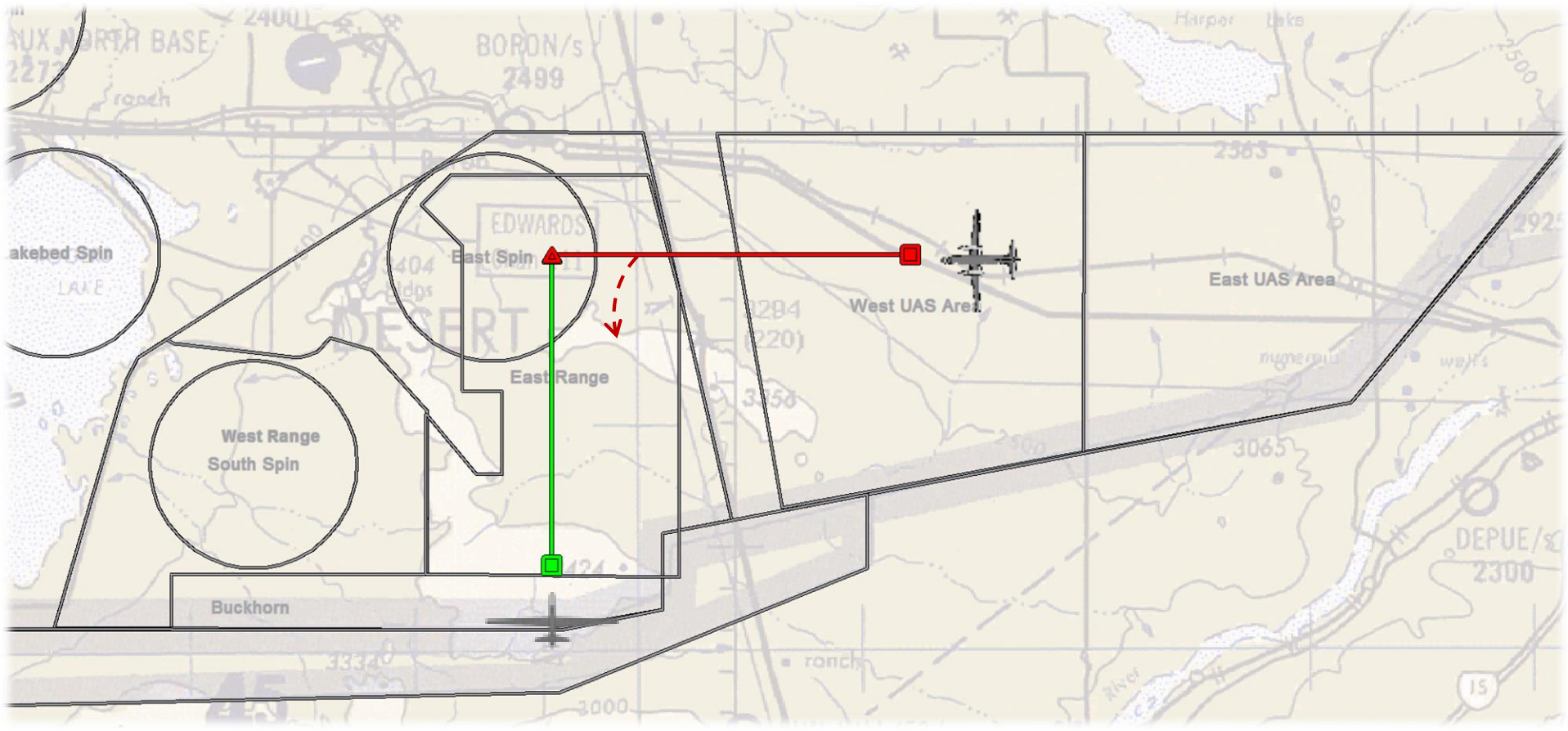


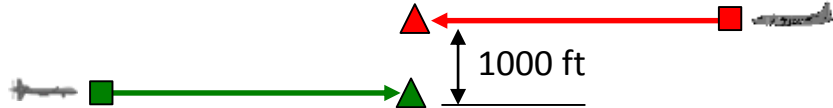
55_L14D



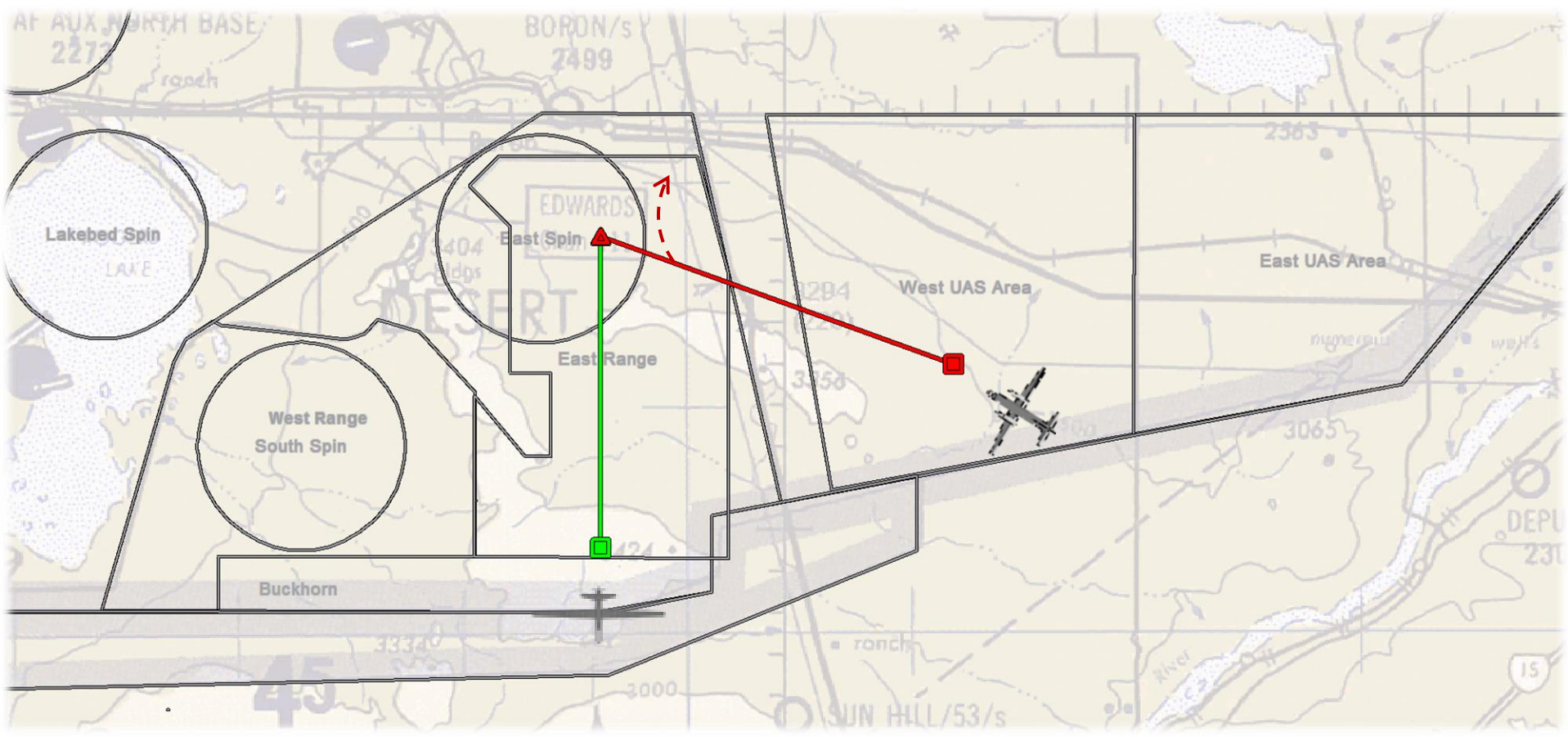


57_L15D

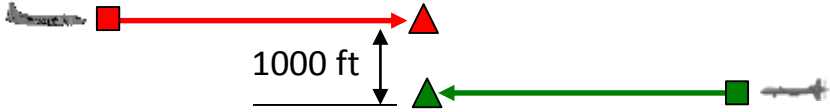




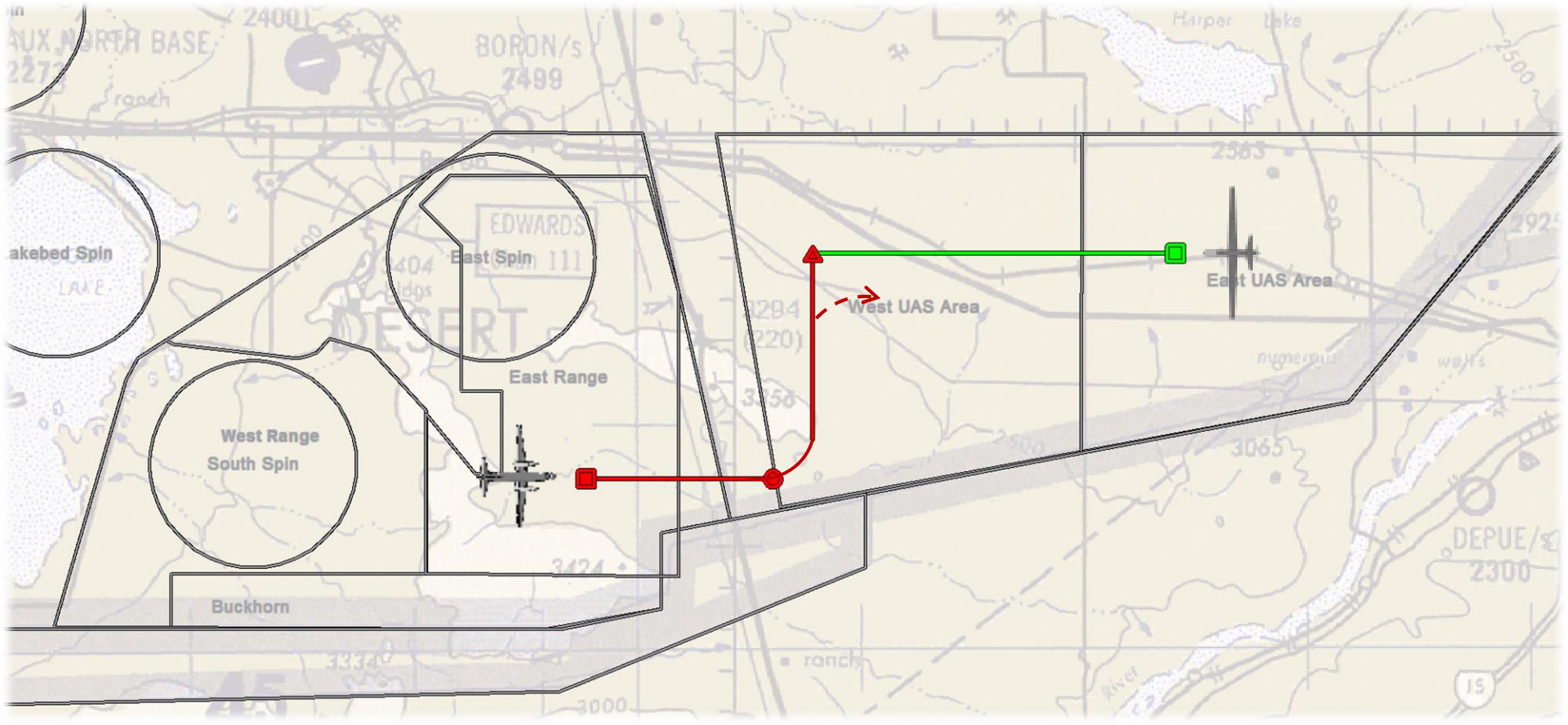
61_L12E



1000 ft



63_L12N



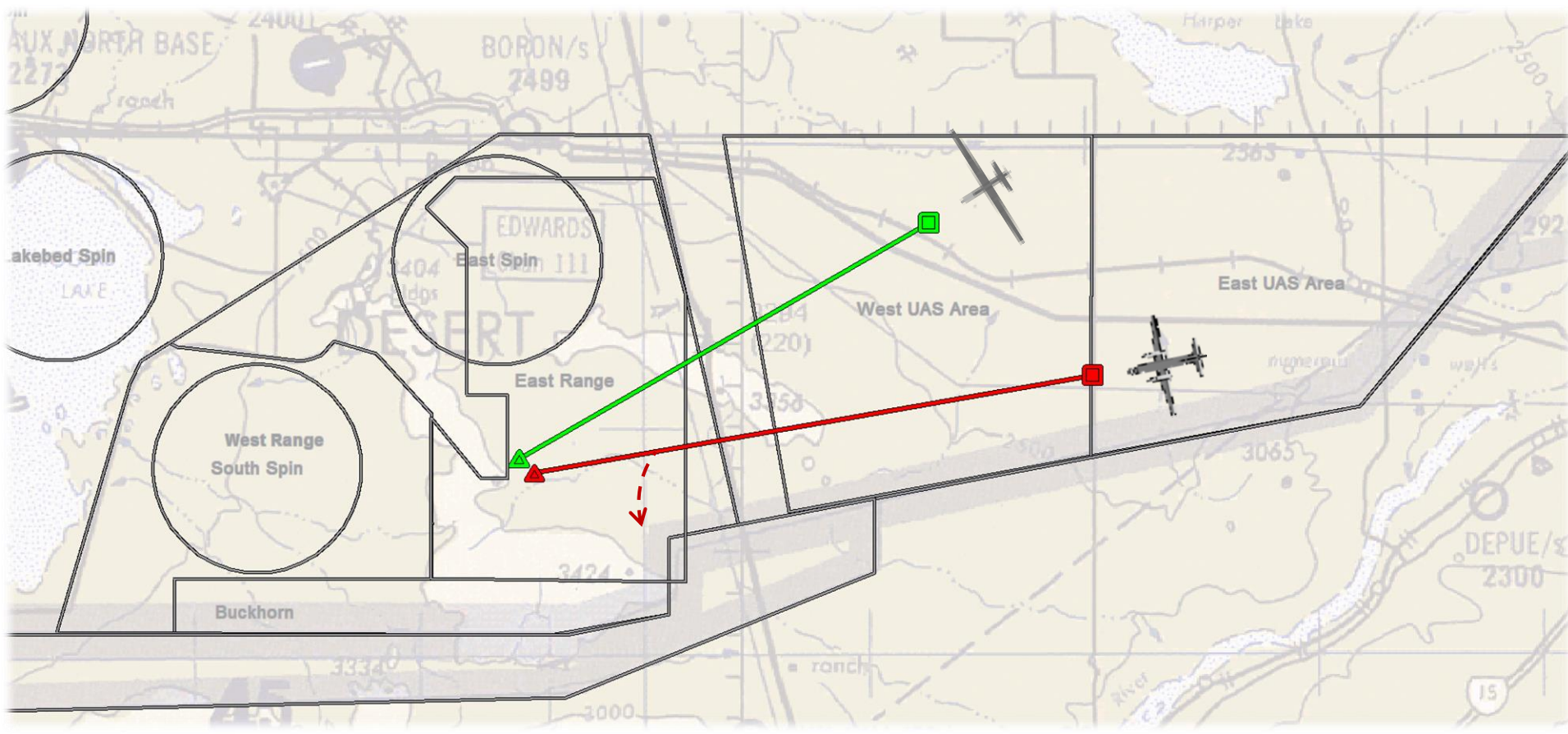
Flight 11

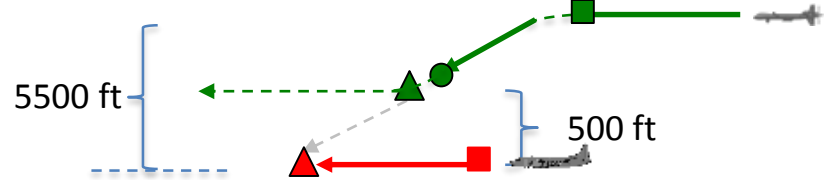
CPDS

Card #	Scenario	Priority	Configuraton	Ownship Manuever	Intruder	Notes
		2	Low Altitude Radar	None - Fly Through	865	LOS unlikely
		2		None - Fly Through	865	LOS unlikely
		2		None - Fly Through	865	LOS unlikely
		2		None - Fly Through	865	LOS unlikely
X	Altimeter Calibration				865	
5	159 - L57D	1	TCAS	Follow TCAS RA - Manually	865	
6	130 - L32D	1		Follow TCAS RA - Manually	865	
7	131 - L32F	1		Follow TCAS RA - Manually	865	
8	152 - L32B	1		Follow TCAS RA - Manually	865	
9	153 - L32G	1		Follow TCAS RA - Manually	865	
10	154 - L32H	1		Follow TCAS RA - Manually	865	
11	155 - L31B	1		Follow TCAS RA - Manually	865	
12	156 - L31G	1		Follow TCAS RA - Manually	865	
13	157 - L31H	1		Follow TCAS RA - Manually	865	
14	168 - L52M	1		CPDS	Maneuver based on CPDS	865
15	164 - L42M	1	Maneuver based on CPDS		865	
16	127 ^{L12P}	2	Radar	None - Fly Through	865	Zig Zag
17	116 - L31G	2		None - Fly Through	865	Bearing 110
		2		None - Fly Through	865	Bearing 110
		2	TCAS	Follow TCAS RA - Manually	865	
		2		Follow TCAS RA - Manually	865	
		2		Follow TCAS RA - Manually	865	
22	135 - L31F	2		Follow TCAS RA - Manually	865	
23	120 - L56G	3	Radar	None - Fly Through	865	Bearing 110
		3		None - Fly Through	865	Bearing 90
25	126 - L56G	3		None - Fly Through	865	Bearing 90
		3		None - Fly Through	865	Bearing 110

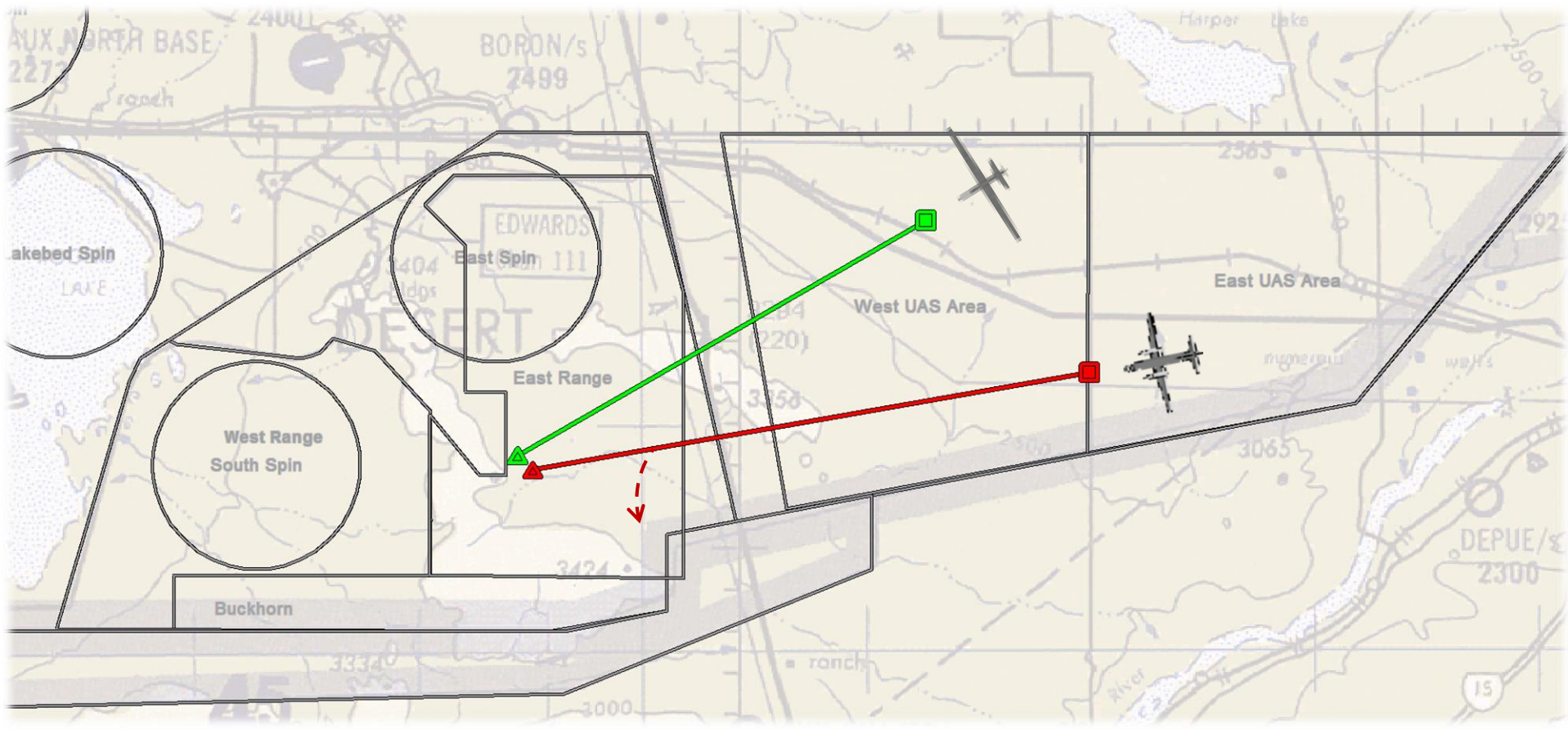


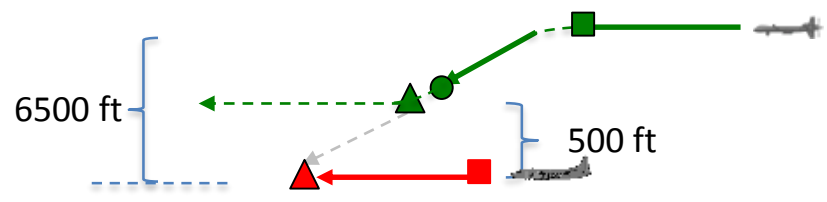
116_L31G



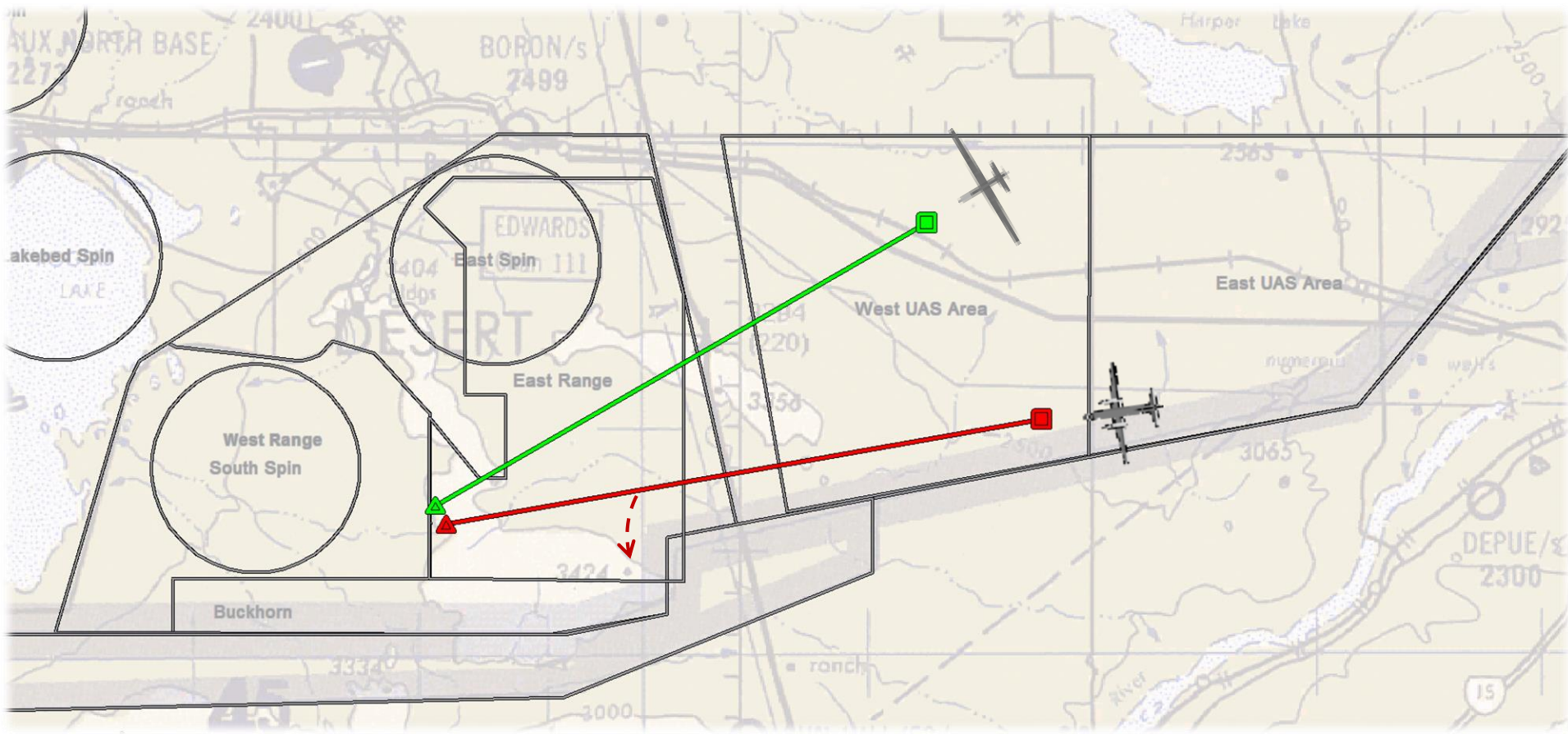


120_L56G



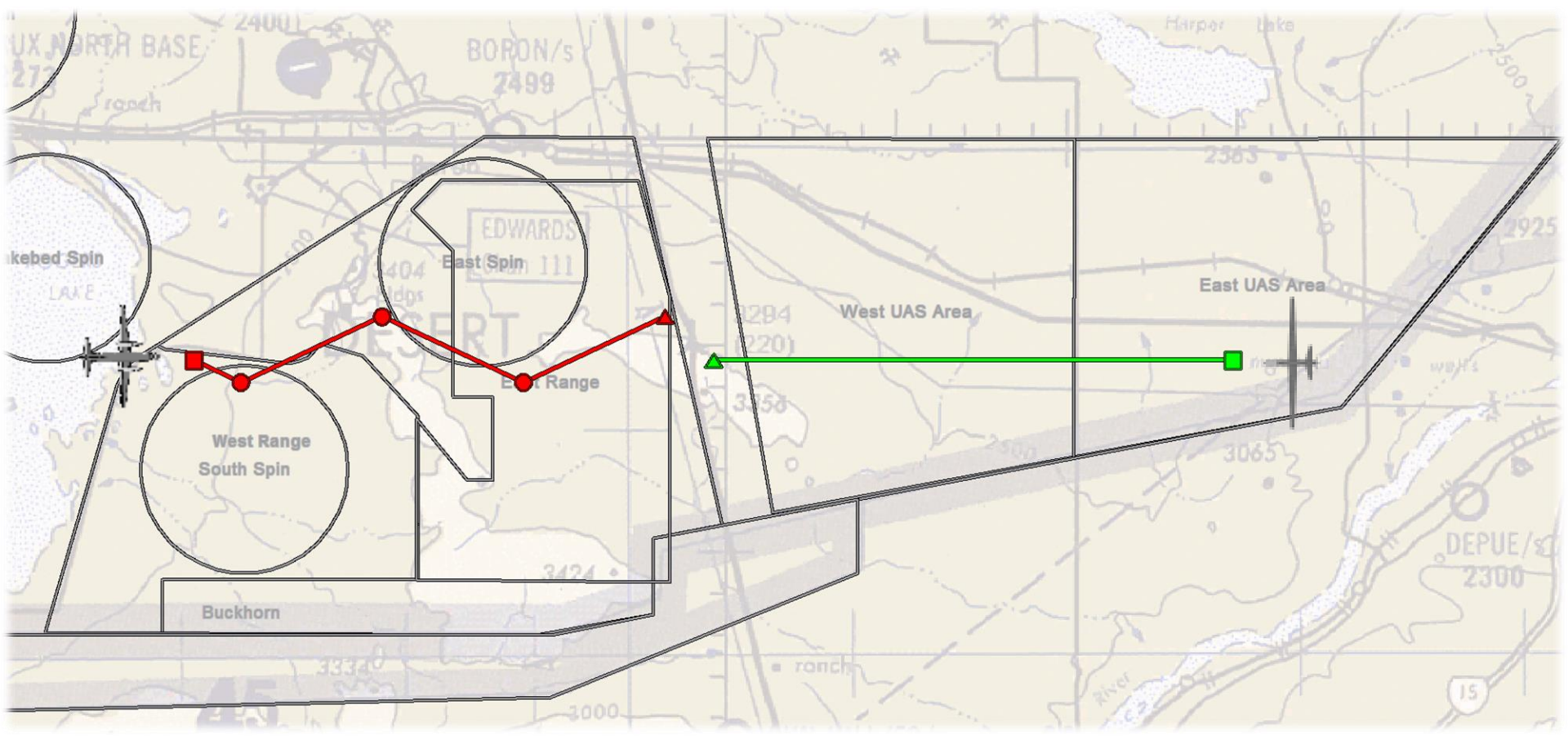


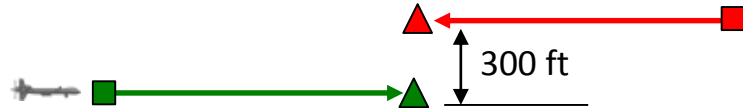
126_L56G



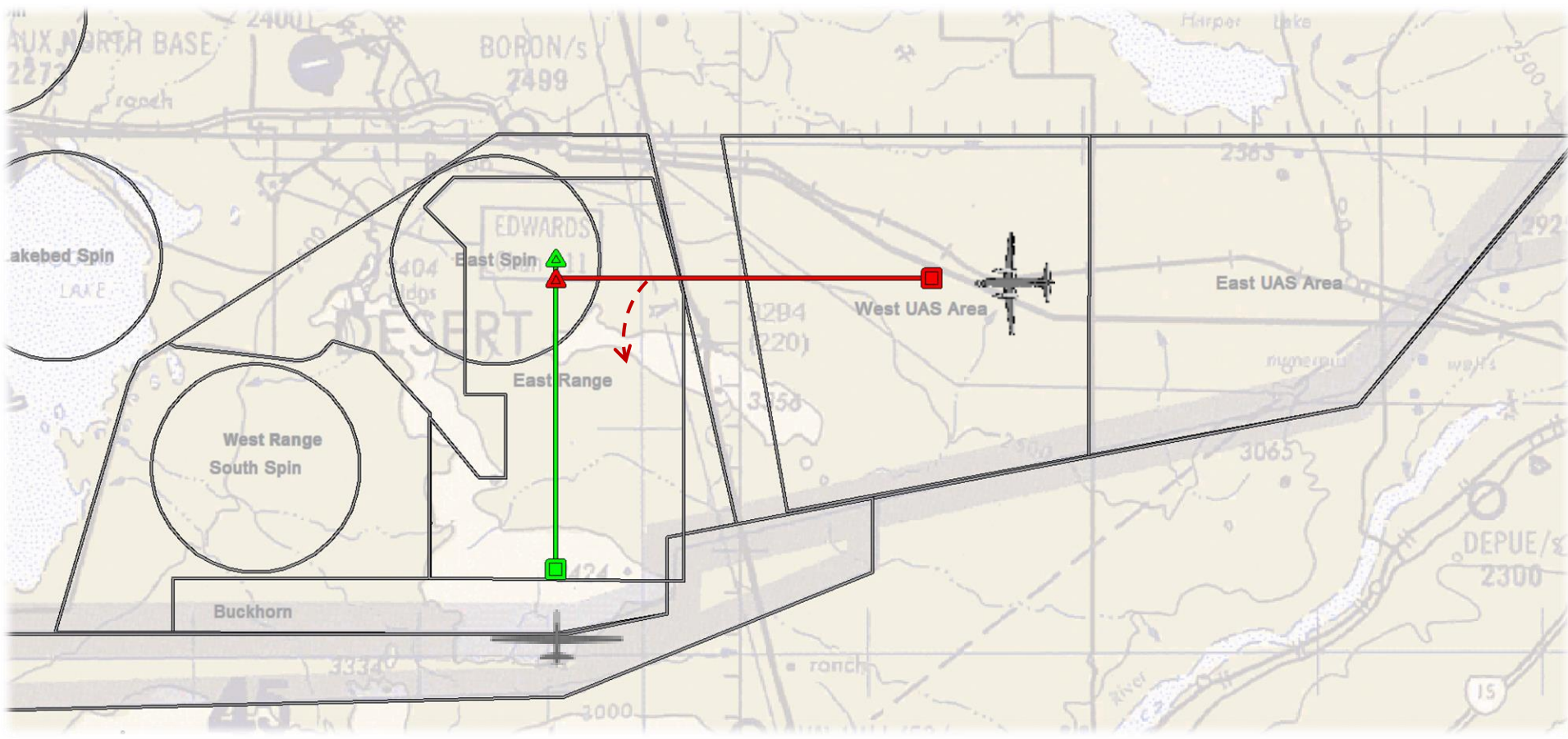


127_L12P



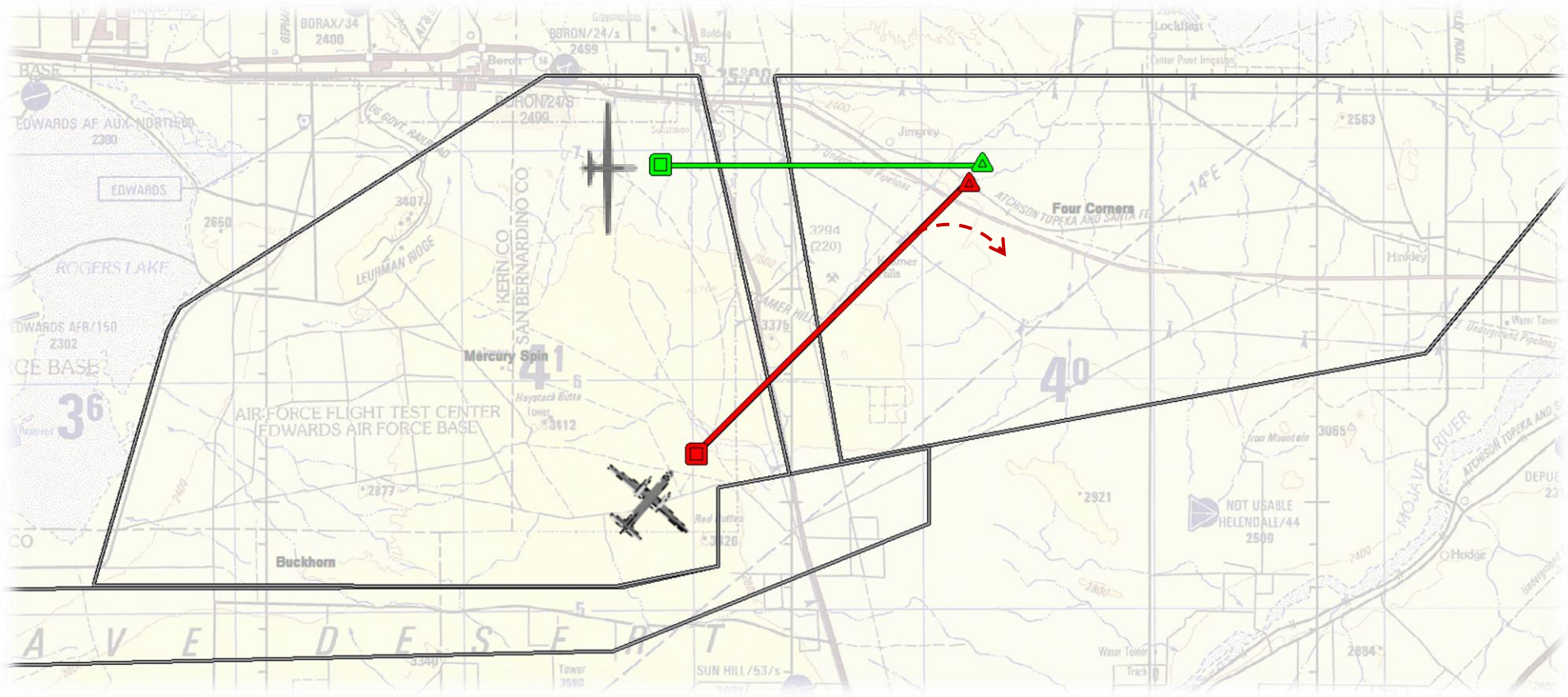


130_L32D



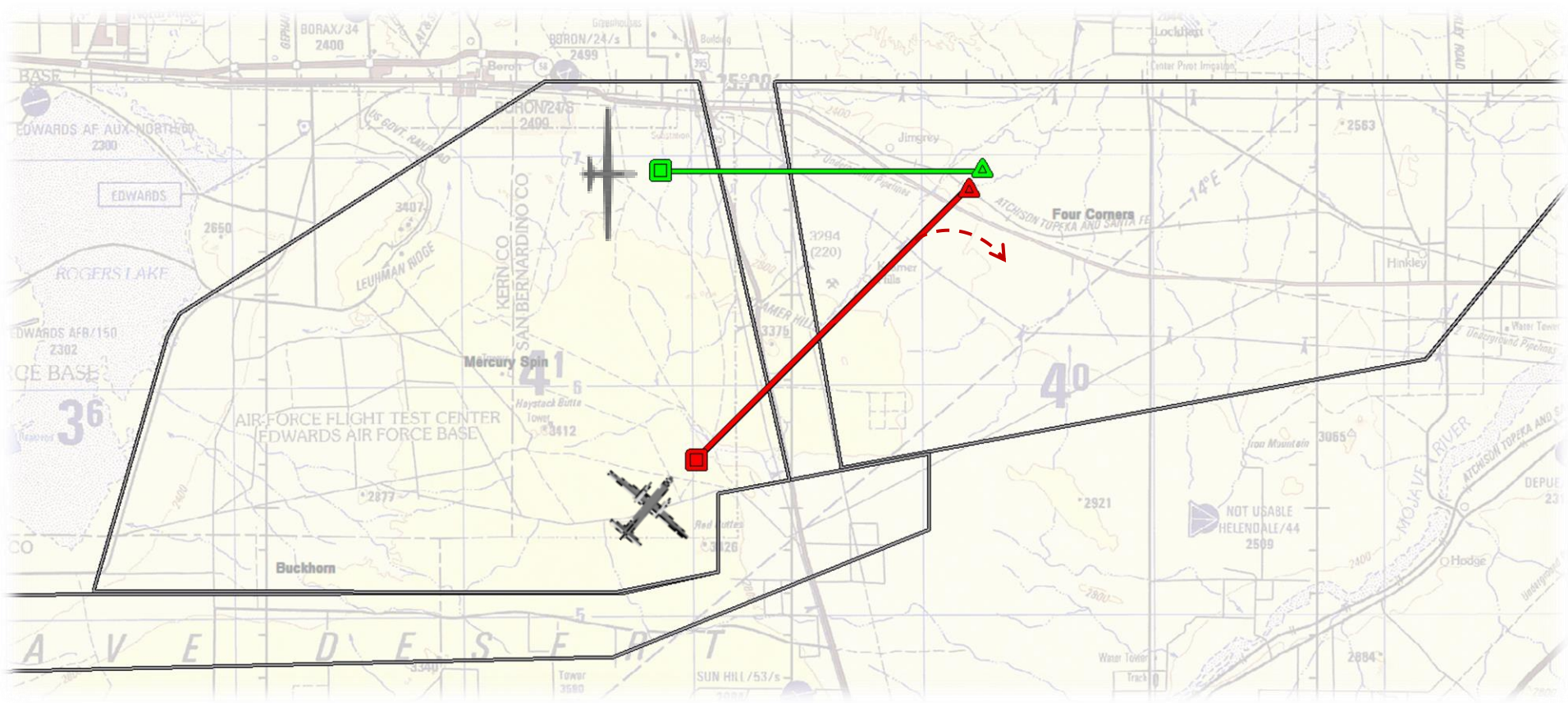


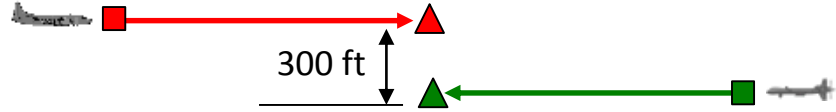
131_L32F



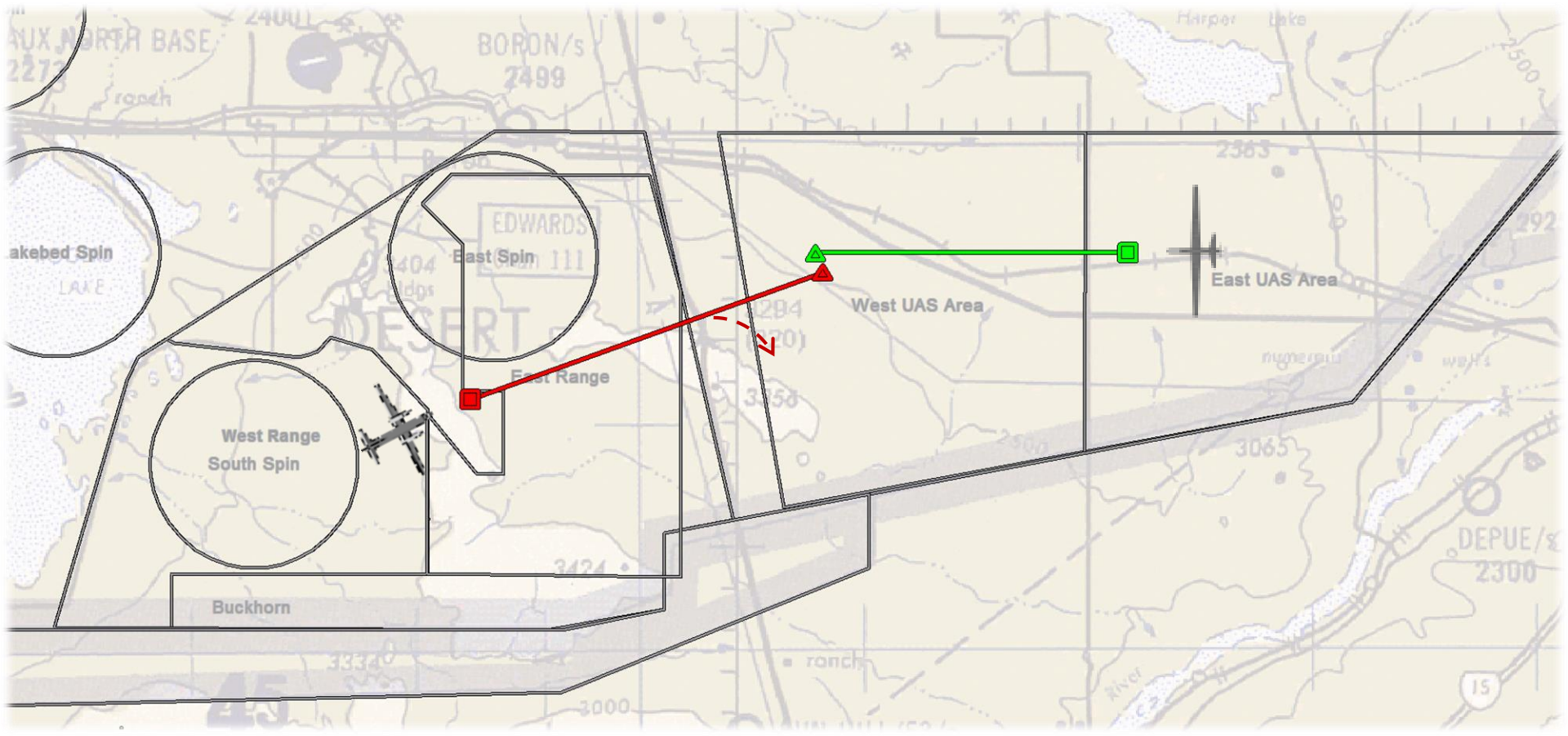


135_L31F

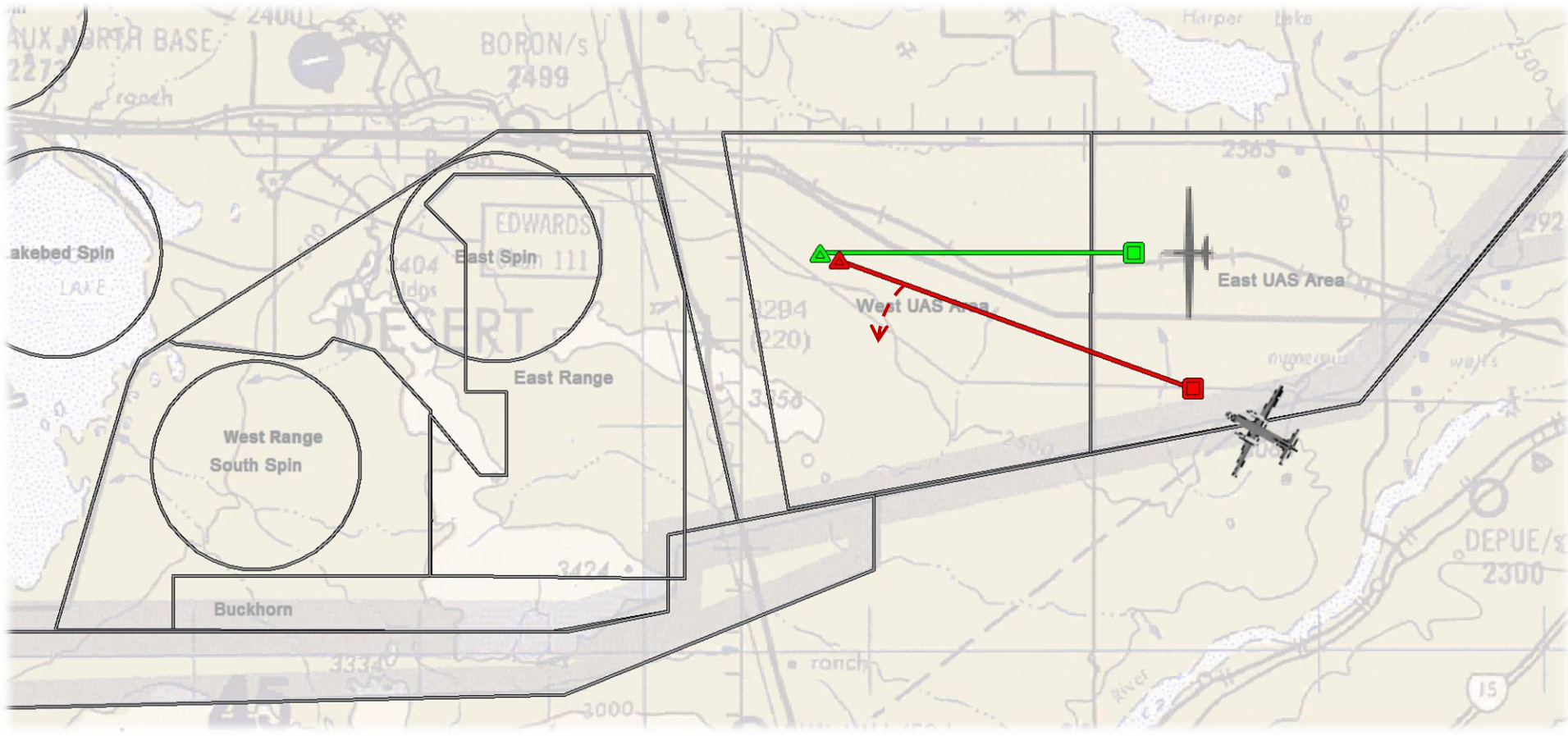




152_L32B

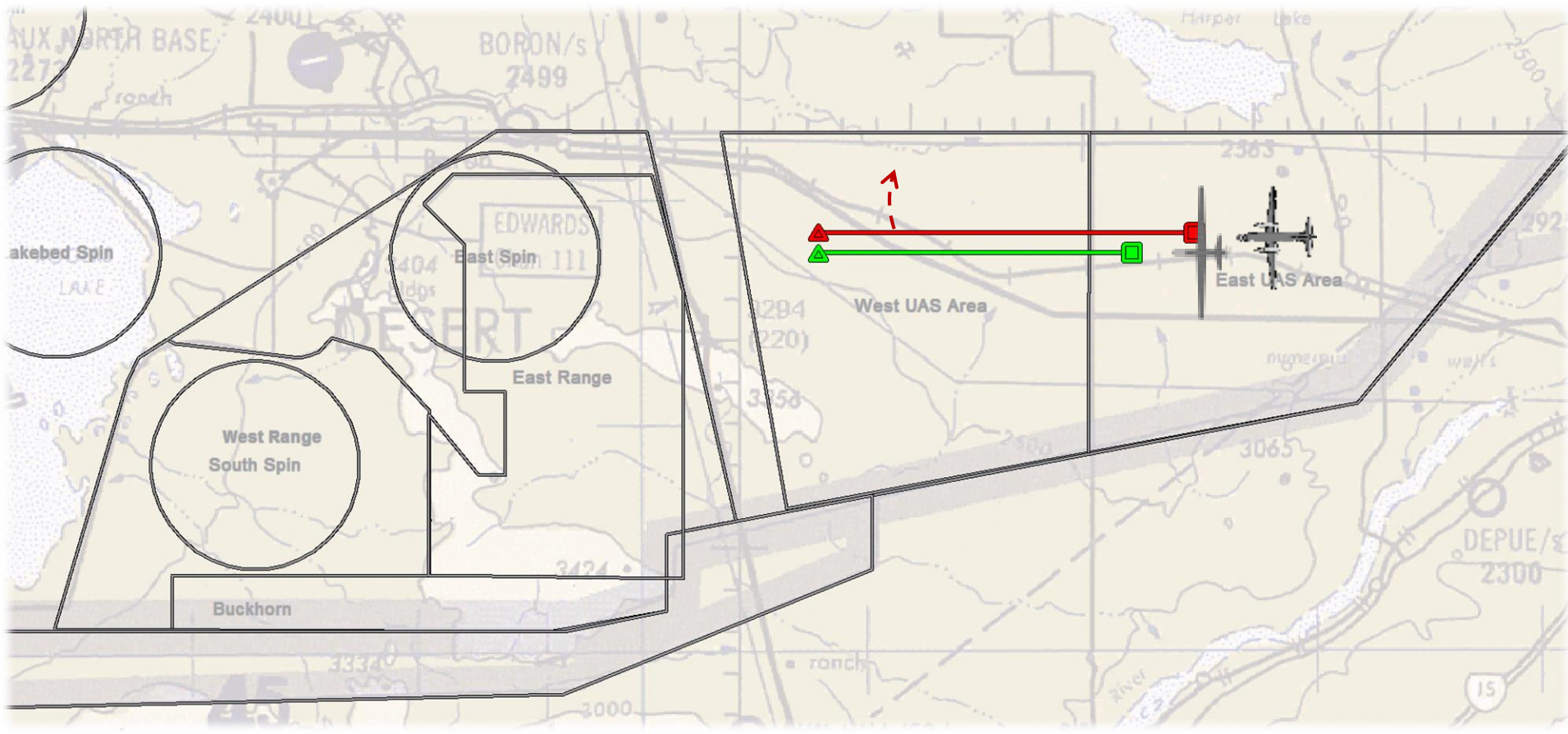


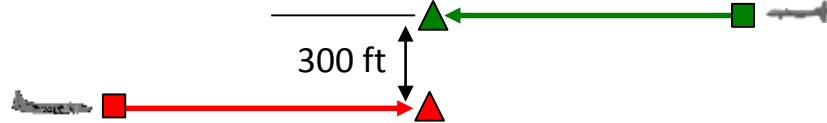
153_L32G



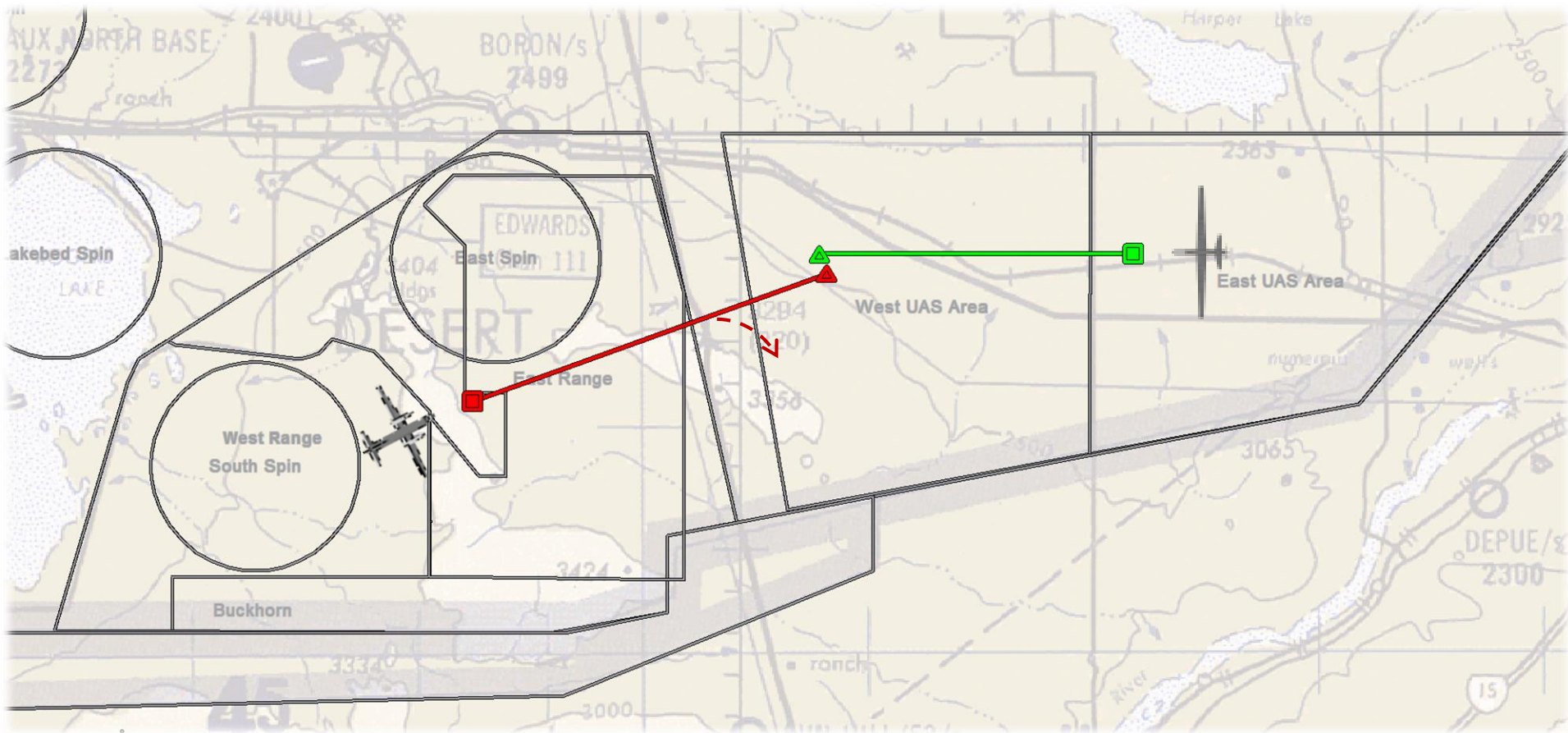


154_L32H



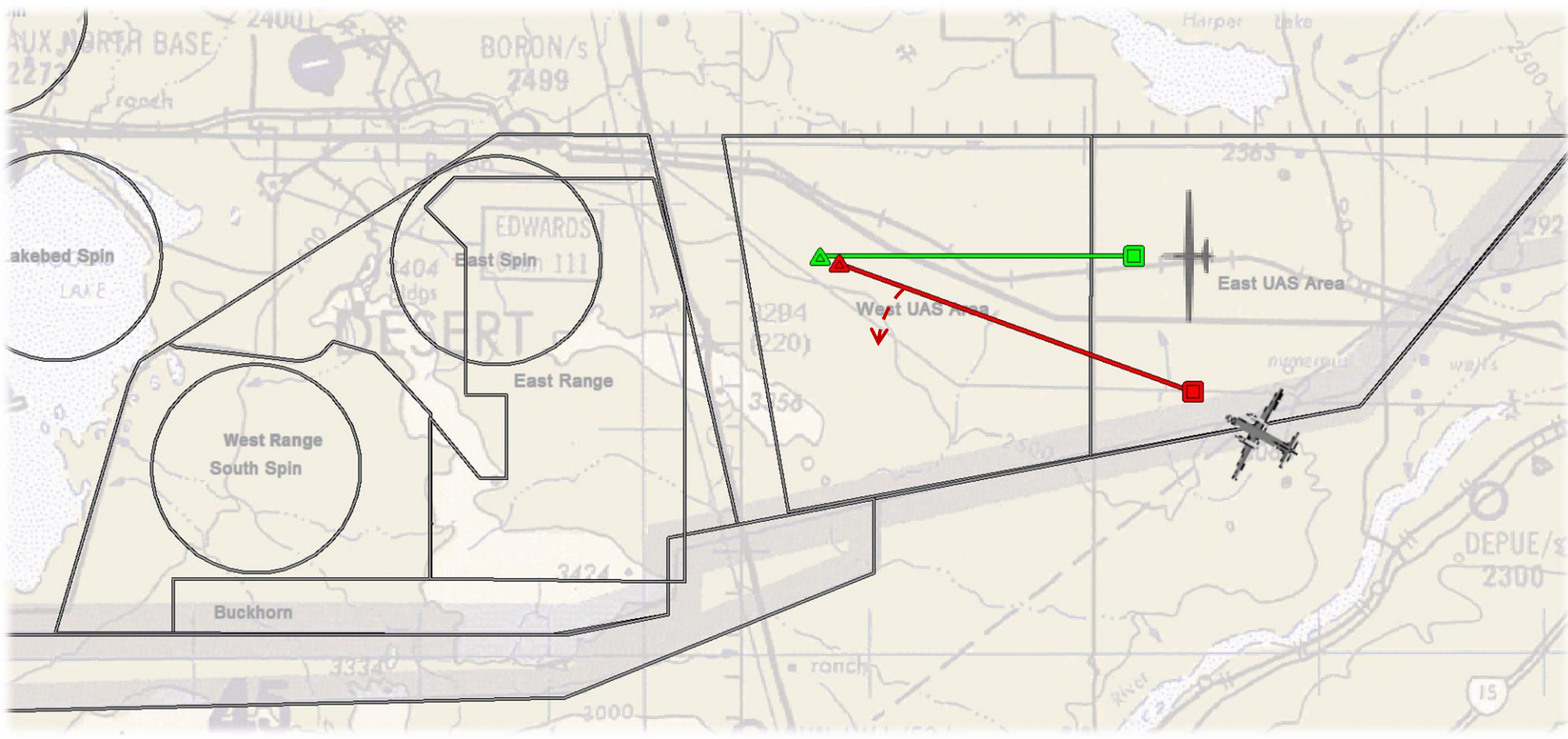


155_L31B



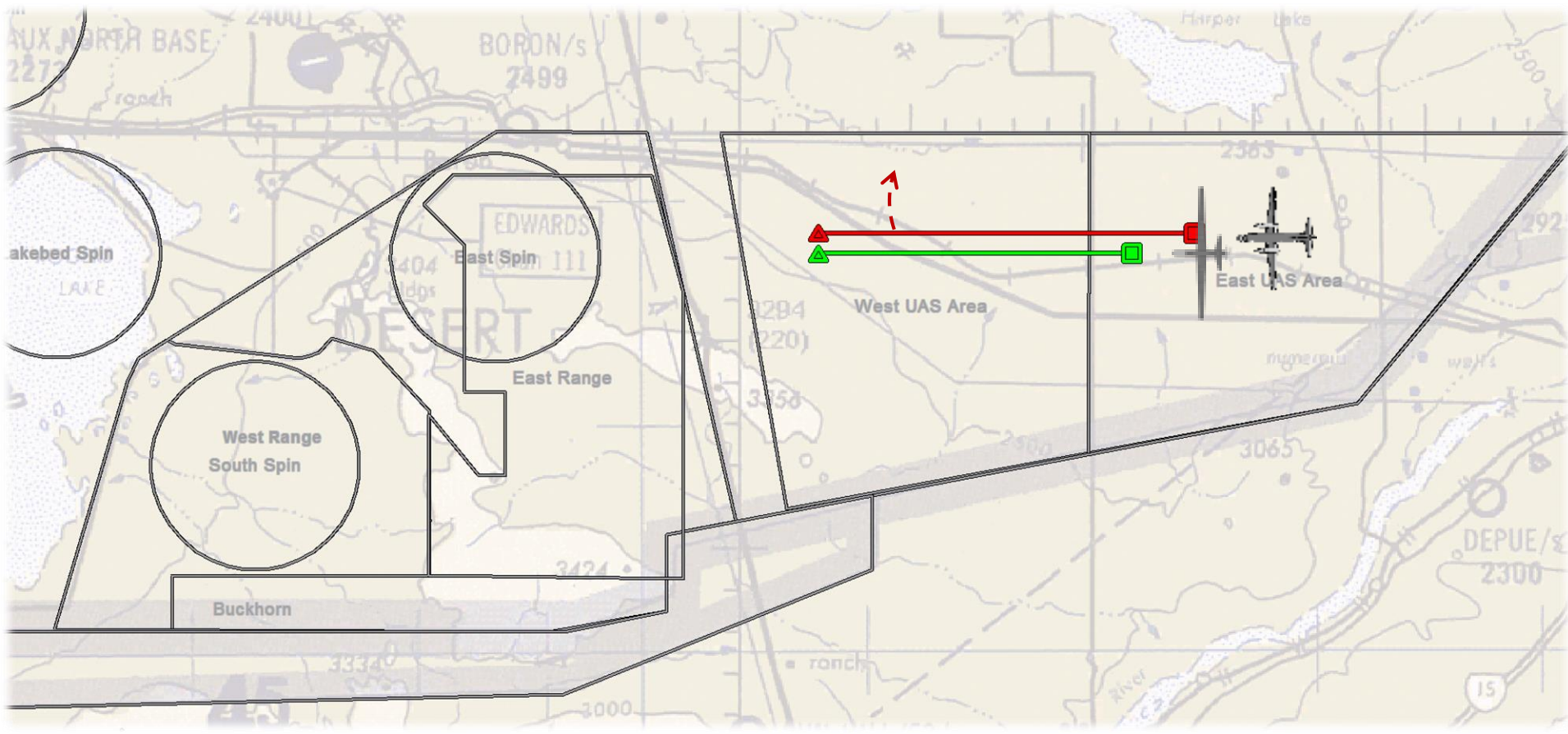


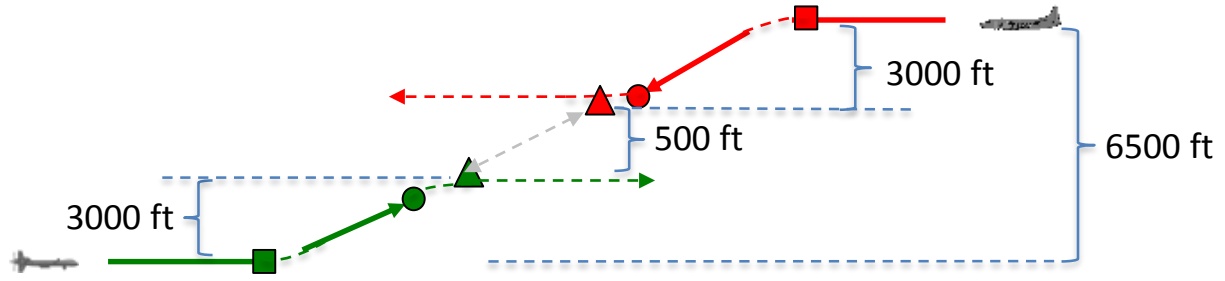
156_L31G



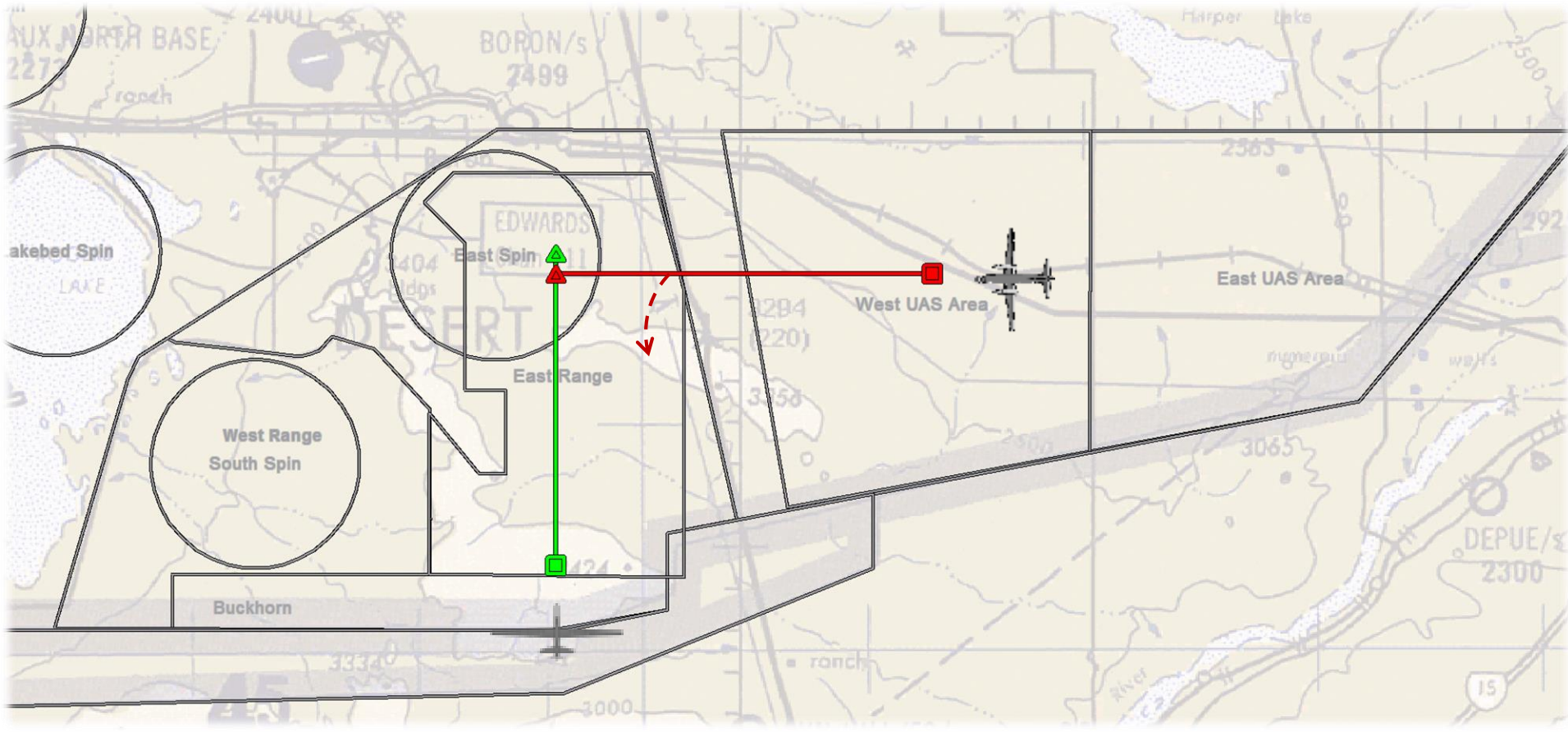


157_L31H



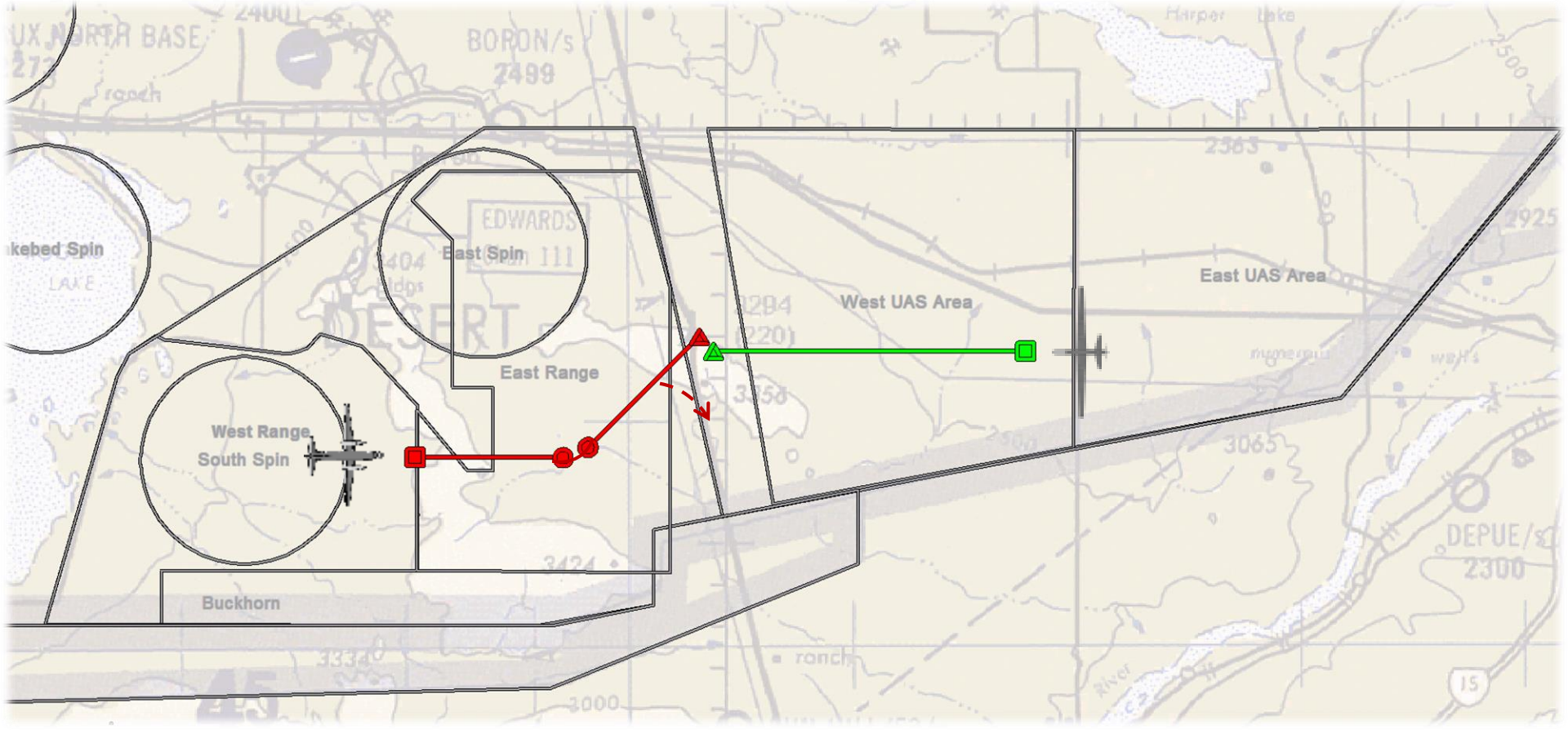


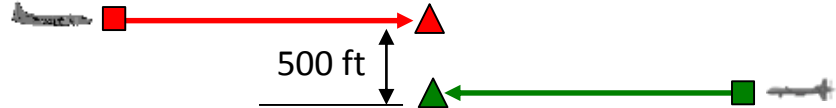
159_L57D





164_L42M





168_L52M

