

AD 2 AERODROMES**ESDF 2.1 AERODROME LOCATION INDICATOR AND NAME****ESDF - RONNEBY****ESDF 2.2 AERODROME GEOGRAPHICAL AND ADMINISTRATIVE DATA**

1. ARP coordinates and site at AD	561600N 0151554E RWY centre point
2. Direction and distance from (city)	N 5 NM from Ronneby
3. Elevation/Reference temperature	191 ft/+18.5°C
4. Geoid undulation at AD ELEV PSN	109 ft
5. MAG VAR/Annual change	5° E (2020)/+0.2 increasing
6. Name of aerodrome operator, address, telephone, telefax numbers, AFS, e-mail, website	MIL AD: FM/Swedish Armed Forces F17 Ronneby SE-372 25 Ronneby TEL: +46 10 827 10 00 TEL: +46 709 14 26 66 (MIL OPS) FAX: +46 10 827 14 23 (MIL OPS) E-mail: f17-milairporthandling@mil.se (MIL OPS) CIV OPR: Swedavia AB Ronneby Airport SE-372 92 Ronneby TEL: +46 10 109 54 00 E-mail: ronneyairport@swedavia.se AFS: ESDFZTZ Website: www.ronnebyairport.se
7. Types of traffic permitted (IFR/VFR)	IFR/VFR. Max RWY ref code 4D
8. Remarks	CIV apron: PPR 5 days prior to planned arrival or departure. The following TFC is exempted: HOSP, STATE, SAR, SKED, TFC, SWE MIL and operators with sanction agreement. Request shall be sent to rnb.groundhandling@swedavia.se All other aprons: PPR for military transport aircraft. Other TFC PPR outside TWR HR of OPS. Request shall be made to F17 mil airport handling TEL: +46 709 14 26 66 E-mail: f17-milairporthandling@mil.se

ESDF 2.3 OPERATIONAL HOURS

1. AD operator	MON-FRI 0600-1430 (0500-1330)
AD Operating hours	Ref AIP SUP/NOTAM.
2. Customs and immigration	O/R TEL +46 40 661 32 20 Immigration O/R
3. Health and sanitation	-
4. AIS Briefing Office	FPC, H24, +46 8 797 63 40, www.lfv.se/fpc
5. ATS Reporting Office (ARO)	As ATS
6. MET Briefing Office	FPC, H24, +46 8 797 63 40, www.lfv.se/fpc
7. ATS	Ref AIP SUP/NOTAM
8. Fuelling	Jet A1 as AD Operating hours. AVGAS 91UL as agreed with Ronneby Flying Club, RFK.

- | | |
|--------------|--|
| 9. Handling | As AD Operating hours
Passangerhandling O/R |
| 10. Security | O/R 5 banking days PN |
| 11. De-Icing | As AD Operating hours |
| 12. Remarks | Increased charges outside TWR HR of OPS.
CIV apron CLSD outside AD operating hours. |

ESDF 2.4 HANDLING SERVICES AND FACILITIES

- | | |
|--|--|
| 1. Cargo-handling facilities | Available O/R |
| 2. Fuel and oil types | Fuel: AVGAS 91UL, Jet A1
Oil: - |
| 3. Fuelling facilities and capacity | AVGAS 91UL: stationary unit at RFK
Jet A1: 37000 l, fuel truck |
| 4. De-icing facilities | Type I and II, mobile unit |
| 5. Hangar space for visiting ACFT | - |
| 6. Repair facilities for visiting ACFT | - |
| 7. Remarks | Passenger handling by Swedavia
rnb.groundhandling@swedavia.se, TEL +46 10 109 54 00.
Handling services and facilities, 5 days PPR
TEL +46 10 109 55 96.
AVGAS 91UL, supplier Ronneby Flying Club, RFK.
TEL +46 73 366 93 97, +46 70 815 64 43
Payment: SWISH or cash (SEK/EUR) are accepted.
AVGAS 91UL PPR 3 days ahead.
Jet A1 fuel supplier AirBP Swedavia Ramp Groundhandling
TEL +46 10 109 55 96
AirBP accept only BP-Sterling card or Fuel Release as form of payment.
Cash or credit card are not accepted. |

ESDF 2.5 PASSENGER FACILITIES

- | | |
|-------------------------|--------------------------------------|
| 1. Hotels | In Ronneby |
| 2. Restaurants | In Ronneby |
| 3. Transportation | Buses, taxis, rental cars |
| 4. Medical facilities | In Ronneby |
| 5. Bank and Post Office | Bank: In Ronneby
Post: In Ronneby |
| 6. Tourist Office | In Ronneby |
| 7. Remarks | - |

ESDF 2.6 RESCUE AND FIRE FIGHTING SERVICES

- | | |
|--|---|
| 1. AD category for fire fighting | CAT 6 / CAT 8 O/R |
| 2. Rescue equipment | Tracked vehicle, rescue boat, MIL equipment |
| 3. Capability for removal of disabled aircraft | By arrangement, MIL equipment available |
| 4. Remarks | - |

ESDF 2.7 RUNWAY SURFACE CONDITION ASSESSMENT AND REPORTING, AND SNOW PLAN

- | | |
|--|---|
| 1. Types of clearing equipment | Sweepers, blowers, snow ploughs, slingers and spreaders |
| 2. Clearance priorities | RWY, TWY, Apron |
| 3. Use of material for movement area surface treatment | RWY and TWYs de-iced with UREA |
| 4. Specially prepared winter runways | - |

5. Remarks -

ESDF 2.8 APRONS, TAXIWAYS AND CHECK LOCATIONS/POSITIONS DATA

1. Apron surface and strength	Apron CIV ASPH PCN 45/F/B/X/T Apron 5 ASPH PCN 50/F/B/X/U
2. Taxiway width, surface and strength	TWY A 18 m ASPH PCN 45/F/B/X/T TWY D 23 m ASPH PCN 50/F/B/X/U TWY W 7.5 m ASPH PCN - TWY Y NORTHERN PART 23 m ASPH PCN 50/F/B/X/U
3. ACL, location and elevation	CIV apron 181 ft
4. VOR checkpoints	-
5. INS checkpoints	-
6. Remarks	-

ESDF 2.9 SURFACE MOVEMENT GUIDANCE AND CONTROL SYSTEM AND MARKINGS

1. Use of aircraft stand ID signs, TWY guide lines and visual docking/parking guidance system of ACFT stands	Apron CIV: Taxi guide lines and signs. Marshalling available
2. RWY and TWY markings and LGT	RWY 01/19: Designator, THR, TDZ, CL and edges are day marked. RTHL, REDL, RENL. TWY A: CL, HLDG day marked. Edge lights, RGL. TWY D: CL, HLDG day marked. Edge lights, RGL. TWY W: CL, HLDG day marked. RGL. TWY Y NORTHERN PART: CL, HLDG day marked. Edge lights, RGL.
3. Stop bars	-
4. Remarks	RWY 01/19: MIL short RWY markings mid RWY TWY A: Also MIL markings TWY D: Also MIL markings TWY Y northern part: Also MIL markings

ESDF 2.10 AERODROME OBSTACLES

In Area 2				
OBST ID/Designation	OBST type	OBST position	ELEV/HGT	Markings/ Type, colour
a	b	c	d	e
ESDF1	ELECTRICAL_SYSTEM	561642.5N 0151608.9E	189 ft / -	-
ESDF2	NAVAID	561646.8N 0151607.7E	191 ft / -	-
ESDF3	SIGN	561647.7N 0151611.9E	193 ft / -	-
ESDF4	NAVAID	561649.4N 0151608.4E	195 ft / -	-
ESDF5	BUILDING	561649.6N 0151612.1E	201 ft / -	-
ESDF6	TREE	561702.9N 0151617.6E	223 ft / -	-
ESDF7	TREE	561703.5N 0151617.4E	223 ft / -	-
ESDF8	TREE	561711.2N 0151611.7E	231 ft / -	-
ESDF9	TREE	561711.2N 0151616.4E	236 ft / -	-
ESDF10	TREE	561717.2N 0151609.9E	244 ft / -	-
ESDF11	TREE	561719.1N 0151614.9E	250 ft / -	-
ESDF12	TREE	561720.6N 0151611.1E	256 ft / -	-
ESDF13	TREE	561721.1N 0151610.4E	259 ft / -	-
ESDF14	TREE	561721.4N 0151609.8E	261 ft / -	-
ESDF15	TREE	561725.6N 0151609.5E	283 ft / -	-

In Area 2				
OBST ID/Designation	OBST type	OBST position	ELEV/HGT	Markings/ Type, colour
a	b	c	d	e
ESDF16	TREE	561725.9N 0151611.1E	286 ft / -	-
ESDF17	TREE	561727.8N 0151615.0E	292 ft / -	-
ESDF18	TREE	561729.0N 0151614.7E	295 ft / -	-
ESDF19	TREE	561730.7N 0151614.4E	302 ft / -	-
ESDF20	TREE	561730.8N 0151615.9E	304 ft / -	-
ESDF21	TREE	561730.9N 0151616.5E	305 ft / -	-
ESDF22	TREE	561731.3N 0151615.0E	307 ft / -	-
ESDF23	TREE	561731.2N 0151617.3E	308 ft / -	-
ESDF24	TREE	561759.0N 0151620.7E	348 ft / -	-
ESDF25	TREE	561759.1N 0151619.9E	349 ft / -	-
ESDF26	TREE	561759.6N 0151618.0E	351 ft / -	-
ESDF27	TREE	561800.0N 0151619.0E	352 ft / -	-
ESDF28	ELECTRICAL_SYSTEM	561521.4N 0151547.2E	184 ft / -	-
ESDF29	POLE	561521.4N 0151545.9E	201 ft / -	-
ESDF30	TREE	561510.8N 0151544.9E	212 ft / -	-
ESDF31	TREE	561453.0N 0151539.7E	217 ft / -	-
ESDF32	TREE	561452.8N 0151540.3E	222 ft / -	-
ESDF33	TREE	561452.2N 0151542.4E	241 ft / -	-
f Remarks: -				

In Area 3				
OBST ID/Designation	OBST type	OBST position	ELEV/HGT	Markings/ Type, colour
a	b	c	d	e
f Remarks: Not available				

ESDF 2.11 METEOROLOGICAL INFORMATION PROVIDED

- | | |
|--|---|
| 1. Associated MET Office | STOCKHOLM/ARLANDA |
| 2. Hours of service | H24 |
| MET Office outside hours | |
| 3. Office responsible for TAF preparation | STOCKHOLM/ARLANDA |
| Periods of validity, interval of issuance | 9 HR, https://tafplanner.smhi.se/app.php/production-program |
| 4. Trend forecast | - |
| Interval of issuance | |
| 5. Briefing/consultation provided | FPC H24, +46 8 797 63 40, www.lfv.se/fpc |
| 6. Flight documentation | TAF, METAR, SIGMET, Upper air winds |
| Language(s) used | Swedish/English |
| 7. Charts and other information available for briefing or consultation | SWC, WC, Nordic SIGWX Chart, Low level forecast |
| 8. Supplementary equipment available for providing information | - |
| 9. ATS units provided with information | RONNEBY TWR
RONNEBY APP |
| 10. Additional information (limitation of service, etc.) | Flight planning room available |

ESDF 2.12 RUNWAY PHYSICAL CHARACTERISTICS

Designations RWY NR	True BRG	Dimensions of RWY (m)	Strength (PCN) and surface of RWY and SWY	THR coordinates RWY end coordinates THR geoid undulation	THR elevation and highest elevation of TDZ of precision APCH RWY
1	2	3	4	5	6
01	008.69°	2331 x 45	PCN 50/F/B/X/T ASPH	561524.95N 0151545.17E GUND 108.6 ft	THR 181.3 ft
19	188.69°	2331 x 45	PCN 50/F/B/X/T ASPH	561639.45N 0151605.63E GUND 108.6 ft	THR 188.2 ft TDZ: 190.9 ft
Designations RWY NR	Slope of RWY-SWY	SWY dimensions (m)	CWY dimensions (m)	Strip dimensions (m)	RESA dimensions (m)
1	7	8	9	10	11
01	See ESDF AOC	-	600 x 150	2451 x 300	-
19	See ESDF AOC	-	600 x 150	2451 x 300	-
Designations RWY NR	Location/ description of arresting system	OFZ (Yes/No)	Remarks		
1	12	13	14		
01	Arresting net beyond THR 19.	-	MIL marker boards 600 m from RWY end.		
19	Arresting net beyond THR 01.	-	MIL marker boards 600 m from RWY end.		

ESDF 2.13 DECLARED DISTANCES

RWY Designator	TORA (m)	TODA (m)	ASDA (m)	LDA (m)	Remarks	
1	2	3	4	5	6	
01	2331	2931	2331	2331	-	
19	2331	2931	2331	2331	-	
RWY Designator	INTERSECTION	TORA (m)	TODA (m)	ASDA (m)	-	Remarks
1		2	3	4	5	6
19	TWY D	1570	2170	1570	-	-

ESDF 2.14 APPROACH AND RUNWAY LIGHTING

RWY Designator	APCH LGT Type, LEN INTST	THR LGT Colour WBAR	VASIS (MEHT)	TDZ LGT LEN	RWY Centre Line LGT LEN, Spacing Colour INTST	RWY Edge LGT LEN, Spacing Colour INTST	RWY End LGT Colour WBAR	SWY LGT LEN, Colour
1	2	3	4	5	6	7	8	9
01	CALVERT CAT I 900 M LIL/LIH	Green	PAPI Left side/3.00° 59 ft	-	-	2331/60 m White Caution zone 600 m yellow LIL/LIH	Red	-

RWY Designator	APCH LGT Type, LEN INTST	THR LGT Colour WBAR	VASIS (MEHT)	TDZ LGT LEN	RWY Centre Line LGT LEN, Spacing Colour INTST	RWY Edge LGT LEN, Spacing Colour INTST	RWY End LGT Colour WBAR	SWY LGT LEN, Colour
1	2	3	4	5	6	7	8	9
19	CAT I 900 M LIL/LIH	Green	PAPI Left side/3.00° 71 ft	-	-	2331/60 m White Caution zone 600 m yellow LIL/LIH	Red	-
10 Remarks: RWY 01: EFAS 600-360 m before THR. RWY 19: Barrette CL. EFAS 900-660 m before THR.								

ESDF 2.15 OTHER LIGHTING, SECONDARY POWER SUPPLY

1. **ABN/IBN location, characteristics and hours of operation** -
2. **LDI location and LGT** Lighted windsock 200 m NE ARP, OBST LGT.
Anemometer location and LGT 300 m NE THR RWY 01, OBST LGT.
130 m SW THR RWY 19, OBST LGT.
3. **TWY edge and centre line lighting**
Edge: A, D, Y NORTHERN PART
CL: -
4. **Secondary power supply/switch-over time** Available/10 sec. During LVP without interruption.
5. **Remarks** -

ESDF 2.16 HELICOPTER LANDING AREA

RWY 01/19 to be used.

ESDF 2.17 ATS AIRSPACE

1. **Designation and lateral limits** RONNEBY CTR 562827N 0150915E - 562701N 0152830E - 561208N 0152453E - 560617N 0151955E - 560716N 0150654E - 561332N 0150552E to point of origin.
2. **Vertical limits** RONNEBY CTR 1500 ft AMSL
GND
3. **Airspace classification** C
4. **ATS unit call sign** RONNEBY TOWER
Language(s) Swedish/English
5. **Transition altitude** 5000 ft AMSL
6. **Hours of applicability** CTR established during hours of TWR.
7. **Remarks** -

ESDF 2.18 ATS COMMUNICATION FACILITIES

Service designation	Call sign	Channels	Hours of operation	Remarks
1	2	3	4	5
TWR	RONNEBY TOWER	119.205	HO	PRIMARY VDF
		121.500	HO	VDF
APP	RONNEBY GROUND	121.855	MON-THU 0730-1500 (0630-1400) FRI 0730-1100 (0630-1000) 15 SEP-1 APR also THU 1500-2100 (1400-2000)	Start-up, ATC clearance, taxi instruction.
		128.455	HO	-
PAR	RONNEBY APPROACH	129.905	HO	By directive from ATS
		134.105	MON-THU 0730-1500 (0630-1400) FRI 0730-1100 (0630-1000) 15 SEP-1 APR also THU 1500-2100 (1400-2000)	PRIMARY PPR for civil traffic
PAR	RONNEBY PRECISION	118.005	MON-THU 0730-1500 (0630-1400) FRI 0730-1100 (0630-1000) 15 SEP-1 APR also THU 1500-2100 (1400-2000)	-

ESDF 2.19 RADIO NAVIGATION AND LANDING AIDS

Type of aid CAT of ILS/MLS (for VOR/ILS/ MLS give VAR)	ID	Frequency	Hours of operation	Site of transmitting antenna coordinates	Elevation of DME transmitting antenna	Service volume radius from GBAS reference point	Remarks
1	2	3	4	5	6	7	8
LOC 01 ILS CAT I (5° E 2020)	NDF	108.30 MHz	HO	561649.4N 0151608.4E	-	-	310 m beyond THR 19 ILS Class I/D/2
GP 01	-	334.10 MHz	HO	561535.1N 0151540.9E	-	-	Angle 3.00° RDH 50.9 ft 299 m past THR 01 left side
LOC 19 ILS CAT I (5° E 2020)	DF	110.70 MHz	HO	561515.7N 0151542.6E	-	-	290 m beyond THR 01 ILS Class I/E/2
GP 19	-	330.20 MHz	HO	561626.6N 0151555.5E	-	-	Angle 3.00° RDH 72.2 ft 420 m past THR 19 right side
DME	DF	110.70 MHz	HO	561626.5N 0151555.6E	207 ft	-	DME Channel 44X
DME	NDF	108.30 MHz	HO	561535.1N 0151541.1E	196 ft	-	DME Channel 20X
DME	RON	109.20 MHz	H24	561515.3N 0151551.5E	194 ft	-	DME Channel 29X

ESDF 2.20 LOKALA FLYGPLATSFÖRESKRIFTER

Tillstånd för motorstart, taxi- och klarering begärs på "Ground" kanal 121.855 under "Ground" öppettider. Utanför dessa tider begärs tillstånd för motorstart, taxi och klarering på "Tower" kanal 119.205.

ESDF 2.20 LOCAL AERODROME REGULATIONS

Request for start-up, taxi and clearance shall be made on "Ground" channel 121.855 during "Ground" hours of operation. Outside these hours request for start-up, taxi and clearance shall be made on "Tower" channel 119.205.

ESDF 2.21 BULLERREDUCERANDE FÖRFARANDE

NADP 1 guideprofil eller NADP enligt operatör.

Luftfartyg bör ej framföras på lägre höjd än 1500 ft AMSL över de centrala delarna av Ronneby och Kallinge samt över Hasselstad utom då så är nödvändigt i samband med start eller landning. Luftfartyg överstigande 5700 kg MTOM bör undvika överflygning av Kallinge och Ronneby på lägre höjd än 3000 ft AMSL i enlighet med miljötillståndet.

Start RWY 19, då avsikten är vänstersväng efter start: Bullerminskande startprocedur (NADP) bör tillämpas av alla luftfartyg. Vänster sväng bör tidigast påbörjas på 3000 ft AMSL, om inte ATC medger annat.

ESDF 2.22 FLYGPROCEDURER

1 Startprocedurer, omnidirectional

RWY	Procedure	Significant obstacle		
		Obstacle	Elevation (ft)	Direction (GEO)/Dist (m) from THR
01	Climb straight ahead to MNM turning ALT 700 ft. Continue climb to appropriate MSA.	Tree (CIO)	259	011°/3220
		Antenna	707	335°/12630
19	Climb straight ahead to MNM turning ALT 600 ft. Continue climb to appropriate MSA.	Tree (CIO)	239	187°/3340
		Windmill	656	216°/9815

2 Standardutflygning MIL JET IFR och VFR

Tillämpas vid start/ studs och gå/omdrag

Observera: Följ ATS klarering efter standardutflygning. Standardutflygning kommer inte att läsas ut.

Standard utflygning bana 01:

Stig rakt fram med en stigvinkel 3° - 5° till svängpunkten (TP01). Vid TP01 sväng höger till kurs 030° och fortsätt stigning med stigvinkel minimum 5°. Fortsätt på kurs 030° till avstånd 5.4 NM från ARP därefter följ ATC klarering.

Definition av TP 01:

Banslutet 0.7 NM från ARP.

Standard utflygning bana 19:

Stig rakt fram med en stigvinkel 3° - 5° till svängpunkten (TP19). Vid TP19 sväng höger till kurs 220° och fortsätt stigning med stigvinkel minimum 5°. Fortsätt på kurs 220° till avstånd 5.4 NM från ARP därefter följ ATC klarering.

Definition av TP 19:

Järnvägen 1.0 NM från ARP.

3 Lågsiktsprocedurer (LVP) etablerade

ESDF 2.21 NOISE ABATEMENT PROCEDURES

NADP 1 guidance profile or operators NADP.

Aircraft should not be operated below 1500 ft AMSL over the central parts of Ronneby and Kallinge and over Hasselstad except when necessary for take-off or landing. Aircraft exceeding 5700 kg MTOM should avoid overflying of Kallinge and Ronneby below 3000 ft AMSL in accordance with the environmental permit.

Departure RWY 19 when left turn is intended: Noise Abatement Departure Procedure (NADP) should apply to all aircraft. Left turn should not be initiated before reaching 3000 ft AMSL, unless an ATC approval.

ESDF 2.22 FLIGHT PROCEDURES

1 Omnidirectional departure procedures

2 Standard departure MIL JET IFR and VFR

Applicable to take-off / touch and go landing /go

Note: Follow ATS clearance after standard departure. Standard departure will not be read out in ATC clearance.

Standard departure RWY 01:

Climb straight ahead with a climb angle of 3° - 5° to Turning Point (TP01). At TP01 turn right to HDG 030° and continue climb with a minimum climb angle of 5°. Continue on HDG 030° to distance 5.4 NM from ARP thereafter follow ATC clearance.

Definition of TP 01:

Runway end 0.7 NM from ARP.

Standard departure RWY 19:

Climb straight ahead with a climb angle of 3° - 5° to Turning Point (TP19). At TP19 turn right to HDG 220° and continue climb with a minimum climb angle of 5°. Continue on HDG 220° to distance 5.4 NM from ARP thereafter follow ATC clearance.

Definition of TP 19:

Railroad distance 1.0 NM from ARP.

3 Low visibility procedures (LVP) established

LVP will be in force when RVR is below 550 m or ceiling or vertical visibility is below 200 ft.

LVP träder i kraft när bansynvidden (RVR) är lägre än 550 m eller när molntäckeshöjden eller vertikalsikten är lägre än 200 ft.

The application of LVP will be announced by ATS.

Meddelande om att LVP är i kraft lämnas av ATS.

When LVP is applied only one aircraft or vehicles are allowed in the manoeuvring area.

När LVP tillämpas tillåts endast ett luftfartyg eller fordon på manöverområdet.

4 VFR-flygning inom Ronneby TMA/CTR

Normala in- och utpasseringspunkter
Se ESDF VAC.

4 VFR flight within Ronneby TMA/CTR

Normal entry and exit points
See ESDF VAC.

Väntlägen
Se ESDF VAC.

Holdings
See ESDF VAC.

Avbrott i radioförbindelse
Se ESDF VAC.

Communication failure
See ESDF VAC.

ESDF 2.23 TILLÄGGSINFORMATION

NIL

ESDF 2.23 ADDITIONAL INFORMATION

NIL

ESDF 2.24 FLYGKARTOR AVSEENDE EN FLYGPLATS

ESDF 2.24 AERONAUTICAL CHARTS RELATED TO AN AERODROME

<i>Charts</i>	<i>Pages</i>
Aerodrome Chart - ICAO	AD 2 ESDF 2 - 1
AOC - ICAO Type A RWY 01/19	AD 2 ESDF 3 - 1
Area Chart – ICAO RONNEBY TMA	AD 2 ESDF 5 - 1
ATC Surveillance Minimum Altitude Chart - ICAO	AD 2 ESDF 7 - 1
IAC - ICAO ILS or LOC RWY 01	AD 2 ESDF 8 - 1
IAC - ICAO PAR RWY 01	AD 2 ESDF 8 - 2
IAC - ICAO ILS or LOC RWY 19	AD 2 ESDF 8 - 3
IAC - ICAO PAR RWY 19	AD 2 ESDF 8 - 4
IAC - ICAO RNP RWY 01 (LNAV/VNAV, LNAV only)	AD 2 ESDF 8 - 5
IAC - ICAO RNP RWY 19 (LNAV/VNAV, LNAV only)	AD 2 ESDF 8 - 7
VAC - ICAO	AD 2 ESDF 9 - 1

LIST OF WAYPOINTS AND SIGNIFICANT POINTS

See ESDF RONNEBY 4

ESDF 2.25 GENOMTRÄNGANDE AV YTAN FÖR VISUELLA SEGMENTET (VSS)

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ESDF 2.25 VISUAL SEGMENT SURFACE (VSS) PENETRATION

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