


<p>SOUTH AFRICAN</p>  <p>CIVIL AVIATION AUTHORITY</p>	<p>REPUBLIC OF SOUTH AFRICA</p> <p>CIVIL AVIATION AUTHORITY</p> <p>AERONAUTICAL INFORMATION CIRCULAR</p>	<p>CAA Private Bag x73 Halfway House 1685</p>
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OPERATION OF AIRCRAFT

SAFETY

HAZARD: BLASTING

- ☛ Indicates changes.
 - ☛ This AIC replaces AIC 008/2016 dated 18 August 2016.
1. The attached list contains information concerning blasting operations details which have been notified to this Authority.
 2. Where blasting times are stated, aircraft should avoid the area during these times. Where blasting times are not stated, aircraft should avoid the area at all times.
 3. Please refer to AIC 21:21 for further safety information.



DIRECTOR OF CIVIL AVIATION

LOCATION	DANGER AREA	DANGER HEIGHT	BLASTING TIMES	REMARKS
19 NM NE of ALLDAYS.	Within 2 NM radius of position. S222651 E0292017	5000 FT.	MON-SAT: 0400-1630	Opencast mine.
8 NM W of ARNOT POWER STATION.	S255700 E0294800	-----	Daily: 1130 - 1230	Opencast mine.
4 NM W of BALMORAL.	Within 1 NM radius of position. S255300 E0285600	-----	Irregular times.	Spitskop Silica Quarry.
BLOEMFONTEIN. (1) 1,5 NM NW of Bloemfontein Airport.	Within 0,5 NM radius of position. S290420 E0261640	1000 FT.	Irregular times.	Before any blasting takes place clearance to blast is obtained by telephone from the ATC on duty.
(2) 4 NM NNW of Bloemfontein Airport.	Within 0,5 NM radius of approximate position. S290200 E0261400	1000 FT.		
3.1 NM SE of DELMAS AD.	Within 1 NM radius of position. S261029 E0284411	2000 FT.	Irregular times.	Opencast mine.
S of DE AAR AD.	S304245 E0240006	1000 FT.	Daily Irregular times.	Quarry. De Aar Stone Crushers.
9 NM NW of ELLISRAS AD.	S234006 E0273224 S233932 E0273310 S234113 E0273310 S234113 E0273053	3653 FT AMSL.	Irregular times.	Opencast mine. Exxaro Grootegeluk coal mine.
1.8 NM SSE of ERMELO.	S2632 E03001 S2633 E03003 S2634 E03002 S2633 E03001	8000 FT AMSL.	MON-FRI: 0700-1000; SAT: 0700-0900 and 1100-1300	Penumbra Open Cast Area Estimate duration of mining operations + 2 years.
6 NM NNW of ERMELO.	Within 0,5 NM radius of position. S262549 E0295711	2500 FT.	Irregular times.	Opencast mine.
GAMSBURG MINE	S291230.47 E0185735.94, S291442.12 E0185337.63, S291613.40 E0185646.44, S291411.13 E0185852.57	4233 FT AMSL	MON-SAT 0700-1500	Mine
4 NM N of GRAND CENTRAL AD.	Within 1 NM radius of position. S255618 E0280810	1000 FT.	MON-FRI: 1000-1100/ 1300-1500	Rossway Quarries.
5 NM SSW of GRAND CENTRAL AD.	Within 1 NM radius of position. S260150 E0280720	1000 FT.	MON-FRI: 0800 - 1400	Grand Central Aerodrome flight information service is advised 30 MIN before blasting.

LOCATION	DANGER AREA	DANGER HEIGHT	BLASTING TIMES	REMARKS
PULLENSHOPE/HENDRINA Eikerboom Driehoek Opencast Pit and Eikerboom Klipbank Opencast Pit.	From a point S255400 E0293100 to a point S255400 E0293600 to a point S255630 E0293600 to a point S255630 E0293100	6150 FT AMSL.	SR to SS	Opencast mine. NOTE: DO NOT OVERFLY ACTIVE MINING AREA.
PULLENSHOPE/HENDRINA Optimum Main Opencast Area.	From a point S255700 E0293400 to a point S255700 E0294500 to a point S260330 E0294500 to a point S260330 E0293400	6600 FT AMSL.	SR to SS	Opencast mine. NOTE: DO NOT OVERFLY ACTIVE MINING AREA.
KIMBERLEY.	2NM FINAL APPROACH RWY10 FAKM	5450 FT AMSL.	Irregular intervals	Record Stone Crushers RWY 10/28 closed during blasting. FREQ 118.2MHz to be monitored.
0,5 NM W of KOFFIEFONTEIN AD.	Within 1 NM radius of position. S292454 E0245934	2000 FT.	MON-FRI: 0500-0520; 1300-1320; 2200-2220	Opencast mine.
1 NM W of KOINGNAAS AD.	Within 1 NM radius of position. S301200 E0171500	-----	Daily: 1245-1445	Koingnaas Mine.
1,5 NM SSE of KRIEL AD.	Within 1 NM radius of position.	-----	Daily: 1245-1445	Opencast mine.
8 NM NNE of KRIEL AD.	Within 2-NM radius of position. S260642 E0291500	2000 FT.	MON-SAT: 0800-1400	Opencast mine.
☛ KWAGGA SECTION	S255309.37 E0294101.24, S255242.58 E0294217.78, S255341.02 E0294415.47, S255449.57 E0294431.07	7294 FT AMSL	DAILY	Mine
Near LIME ACRES. ± 3 NM E of Finsch Mine AD.	Within 1 NM radius of position. S282100 E0233000	-----	Irregular times.	Opencast mine.
5,3 NM NNW of Louis Trichardt AD.	Within 0,5 NM radius of position. S230000 E0295000	1000 FT.	MON-SAT: Irregular times.	Opencast mine.
Lyttelton, PRETORIA	S2550 E02813	6000 FT AMSL.	Daily: 0700-1000	Lyttelton Dolomite Mine.
MABALI COLLIERY MPUMALANGA	Centred at 0,54 NM radius of position S260740 E0290658	6781 FT AMSL.	MON-SAT: 1000-1200	Blasting operations.
MARIKANA.	S254212 E0272355 S253956 E0274449	6500 FT AMSL.	Irregular times.	Lonmin Platinum Opencast mine.

LOCATION	DANGER AREA	DANGER HEIGHT	BLASTING TIMES	REMARKS
MIDDELBURG, OLD VAN DYKSDRIFT ROAD.	S255757 E0291511 S260523 E0291949 S260827 E0281843 S260913 E0291739 S260758 E0291556 S250534 E0291425 S260427 E0291423 S260340 E0291509 S260105 E0291521 S255944 E0291506 S255845 E0291841	10557 FT AMSL.	Daily: 0445-1615	Mpumalanga.
MEYERTON AREA 5NM NNE.	Within 1.5 NM of position. S263039 E0280353	5000 FT.	MON-FRI: 0600-1500	Opencast mine.
E of MARBLE HALL AD.	S245930 E0291700	-----	Irregular times.	Mining area.
6 NM S of MARQUARD.	Within 1 NM radius of position. S284820 E0272520	1500 FT.	Daily: Irregular times.	Opencast mine.
MOOINOOL.	S254229 E0273340 S254159 E0273636	9635 FT AMSL.	Daily: 1400-1600	Lonmin Platinum Opencast mine.
MPUMALANGA Middelburg Mine Area.	S255323 E0292318 S255159 E0292710 S255337 E0293016 S255520 E0293348 S255919 E0293323 S260030 E0293002 S260233 E0292932 S260417 E0292519 S260246 E0290203	10 000 FT AMSL.	Daily: 0445-1615	Middelburg Mine Area.
MPUMALANGA 15 NM S of Witbank AD.	S260324 E0291010 S260349 E0291010 S260349 E0291048 S260323 E0291008	6357 FT AMSL.	Daily: 0445-1615	Tweefontein Complex, Hampster Pit, Mpumalanga.
MPUMALANGA Nkomati Mine, near Machadodorp	The area bounded the following points: S254317 E0303632 S254354 E0303555 S254504 E0303721 S254427 E0303757	6000 FT AMSL.	Irregular times.	Blasting operations.
MPUMALANGA Tweefontein Complex, Benchmark	S260236 E0290728	6150 FT AMSL.	Daily: 0445-1615	Tweefontein Complex, Benchmark.

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MPUMALANGA Tweefontein Complex, South East Pit.	S260314 E0290432 S260349 E0290933 S260350 E0291012 S260314 E0291012	6347 FT AMSL.	Daily: 0445-1615	Tweefontein Complex, South East Pit.
MPUMALANGA Tweefontein Complex, Butterfly Pit.	S260623 E0290917 S260652 E0290917 S260651 E0291008 S260622 E0291008	6347 FT AMSL.	Daily: 0445-1615	Tweefontein Complex, Butterfly Pit.
MPUMALANGA Tselentis Colliery, Breyten 2330.	S262000 E0300000 S260500 E0295000 S263000 E0301000	14510 FT AMSL.	SR-SS.	Tselentis Colliery, Breyten 2330
MPUMALANGA Witbank, 45 Open mine pits.	S260134 E0291302 S260222 E0291515 S260322 E0291622 S260740 E0291740 S260946 E0291719 S261046 E0291612 S260840 E0291212 S260828 E0290912 S260728 E0290815 S260602 E0290757 S260345 E0290943 S260245 E0291050	6720 FT AMSL.	SR-SS MON-SAT.	Witbank, 45 Open mine pits.
MPUMALANGA Farm Goedgevonden.	S260250 E0290426	6250 FT AMSL.	Daily	Farm Goedgevonden.
MPUMALANGA, Slaaihoek Farm.	Within 1 NM radius of positions. S253852 E0303052 S253948 E0303157	9610 FT AMSL	-----	Opencast mine.
OGIES.	S255406 E0285848 S255601 E0290414 S260030 E0290240 S255836 E0285713	5500 FT AMSL.	MON-SAT: 0745-1515	Klipgat Colliery.
10 NM SE of OGIES. Rietspruit)	Within 1,5 NM radius of position. S260940 E0291340	-----	Daily: Irregular times.	Opencast mine.
DISTRICT OGIES.	S260103 E0290934	8500 FT AMSL.	Irregular times.	South Stock 5 Seam Opencast, portion of farm Frishgewaagd 60ISDKIL.

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OGIES	260121S 0290208E- 260309S 0290230E- 260352S 0285929E- 260108S 0285907E	2500FT AGL.	Blasting DLY BTN 1000-1600	Remotely piloted Aircraft Systems (RPAS) operations taking place. Daily BTN 0600-1600, 1000FT AGL Opencast Mine.
Along the coast between ORANJEMUND AD and Chamais Bay.	-----	1000 FT.	Irregular times.	-----
SW of PHALABORWA.	(Hendrik van Eck) AD (S235600 E0310900)	-----	-----	Opencast mine.
PILANESBURG.	S250357 E0270012	6030 FT AMSL.	MON-SAT: 1230-1600	Pilanesburg Platinum Mine.
POLOKWANE 41 NM W of town.	S235555 E0284209 S235354 E0284225	5500 FT AMSL.	MON-SAT: 0445-1515	Northern and Southern part of Klipplaatdrift 787 LR, Haakdoringdraai 758 LR and Scoonoord.
5 NM NW of POSTMASBURG.	S281620 E0230004	7500 FT AMSL.	MON-SAT: 0400-1700	Beeshoek Iron Ore Mine.
6.65 NM SW of POSTMASBURG.	(Leeuwfontein) S282337 E0225840	7500 FT AGL.	Irregular times.	Kolomela Iron Ore Mine.
Assmang mine POSTMASBURG.	S281542.50 E0230001.40 S281615.90 E0230139.00 S281735.20 E0230129.30 S281929.70 E0230129.70 S282042.00 E0230352.00 S282120.90 E0230314.60 S282117.90 E0230215.30 S282140.30 E0230156.20 S282005.00 E0225744.70 S281845.50 E0225825.50 S281724.30 E0225840.30 S281659.60 E0225859.30 S281651.20 E0225908.00 S281641.50 E0225929.70 S281631.40 E0225929.60 S281558.60 E0225940.10 S281550.30 E0225959.50	-----	Irregular times.	Assmang mine.
14 NM NNW of POTGIETERSRUS.	Within 1,5 NM radius of position. S240046 E0285445	6600 FT.	Daily: 1000-1400	Opencast mine.

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1,3 NM N of PRETORIA. (Wonderboom) AD.	Within 1,5 NM radius of position. S253740 E0281300	2000 FT.	Daily: 0945-1015	Stone Quarry.
4.6 NM NW of POSTMASBURG.	Within 2 NM radius of position. S281729 E0225936	-----	MON.-FRI: 0800-1200	Mokganyane Diamond Mine.
9 NM NE of REIVILO.	Within 1,5 NM radius of position. S272600 E0241600	3500 FT.	Daily: 1245-1315	Mining area.
4 NM SE of RUST DE WINTERDAM.	Within 1 NM radius of position. S251518 E0283447	1000 FT.	-----	Vergenoeg Opencast mine.
RUSTENBURG QUARRIES.	Western Point – S253604 E0272054, North-Eastern Point – S253420 E0272542, South-Eastern Point – S253746 E0272619, Southern Point – S253746 E0272401	5000 FT AMSL.	MON-SAT: 0445-1515	Beestkraal 290 JQ and part of Klipgat 281 JQ
8.6 NM NE of RUSTENBURG.	S253346 E0272111	5000 FT AMSL.	MON-SAT: 0445-1515	Transvaal Quarry, Bochpoort 284 JQ Portion 6
Rustenburg Platinum Mine.	Townsland section of mine	-----	-----	Pilots to remain clear of this area.
SEKHUKHUNE DISTRICT, BOKONI MINE.	Within 2NM radius of position. S241929 E0295642, S242108 E0295824	7100 FT AMSL.	Daily: 1100-1500	Blasting operations.
SISHEN Mining area.	Pit 14,5 km x 3 km. S273900 E0230000	7500 FT AGL.	Irregular times.	Opencast mine.
W of Slurry.	Within 2NM radius of position. S255000.43 E0255025.89	5140 FT AMSL.	Irregular times.	Blasting operations: Banadeplaas Limestone mine.
SISHEN Rust en Vrede Mine.	The area bounded by straight lines joining the following points; From S275129 E0230123 to S274116 E0230329 to S275252 E0230319 to S275324 E0230242 and then back to the starting point at S275129 E0230123.	1600 FT AGL.	Irregular times.	Blasting operations.
8,6 NM E of STANDERTON on the edge of Grootdraaidam.	Within 1 NM radius of position. S265200 E0292100	-----	Irregular times.	Welbedacht Quarry.

LOCATION	DANGER AREA	DANGER HEIGHT	BLASTING TIMES	REMARKS
5 NM W of SWARTKOP AD. (Mooiplaas.)	Within 0.53 NM m radius of position. S254830 E0280430	3300 FT.	MON-FRI: 0900-1200	Dolomite quarry.
Tavistock Collieries. (Not close to any airport)	S260255 E0291253	-----	Daily: 0600-1500	Opencast mine.
2 NM S & SW of THABAZIMBI.	Within 1 NM radius of positions. S243700 E0272240 S243800 E0272530	5000 FT.	H24	Opencast mine.
7 NM N of TRICHARDT.	Within 1 NM of the area bounded by lines joining the following points consecutively. S262600 E0291200 S262100 E0291200 S262100 E0291500 S262600 E0291500	2700 FT.	MON-SAT: 1300-1400	Syferfontein Colliery.
1.1 NM W/NW from Tzaneen Aerodrome	S234959 E0301759	6472 FT AMSL.	Every TUE and THU BTN 1255-1335	Tzaneen Quarry on the Farm Tarrentaalrand.
Near UPINGTON.	223 (R) UPV 7 DME 123 (R) UPV 4,4 DME 125 (R) UPV 5 DME	-----	Irregular times.	Gordonia Crushers. ACFT will be advised of blasting times by ATC.
VIERFONTEIN NORTH FREE STATE.	S270325 E0264620	500 FT AGL.	MON-SAT: 1000-1200	Groenfontein Quarry
SE of VEREENIGING.	The area bounded by straight Line joining the following points Consecutively: S264048 E0275555 S264042 E0275807 S264048 E0275843 S264142 E0275949 S264227 E0275943 S264254 E0275933 S264317 E0275905 S264323 E0275815 S264335 E0275750 S264348 E0275545	1500 FT.	Daily: 1245-1315	Opencast mine.

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Groenfontein 313, Portion 35, 9, and 20; Baberspan 452 and Hormah 276	S270157.06 S0264544.73 S270148.58 E0264754.11 S270432.44 E0264754.47 S270406.76 E0264525.71	1650 FT AGL.	Daily BTN 0800-1400	Opencast mine. Groenfontein Collieries.
Duhva near WITBANK.	(a) S255657 E0291534 (b) S260221 E0292435	-----	MON.-SAT: 1000-1100 / 1400-1500	Opencast mine.
5 NM E of WITBANKDAM.	Within 2,5 NM radius of position. S255628 E0292413	1500 FT.	Irregular times.	Opencast mine.
WITBANK, KRIEL.	S261137 E0291936 S261142 E0292147 S261216 E0292152 S261215 E0291937	5740 FT AMSL.	Irregular times.	Opencast mine. Total Coal South Africa
9 NM S of WITBANK	Within 2 NM radius of positions. S260134 E0291235 S260012 E0291517	2000 FT.	Daily BTN SR and SS. Irregular times.	Opencast mine.

