PHONE 06 81661
FAX: 06 81662016
E-mail aip@enav.it
Web www.enav.it

AIP ITALIA

Servizio Informazioni Aeronautiche
ENAV S.p.A.

Via Salaria, 716 - 00138 Roma

AIP Italia (Servizio Informazioni Aeronautiche) Direttore responsabile: Nicoletta Tomiselli
Reg. del tribunale di Roma n. 244 del 3 maggio 1985 - Stampa: Gemmagraf 2007 Srl Via Tor de Schiavi, 227 - 00171 Roma

AIP SUP S2/19

04 FEB 2019

VALIDITA'/VALIDITY:
18 MAR 2019 - 18 MAY 2019 EST

AD

Aeroporto di VERONA/Villafranca: lavori di riqualifica delle infrastrutture di volo

1) A far data dal 18/03/2019 fino al 18/05/2019 EST, avranno luogo i lavori di riqualifica delle infrastrutture di volo per la realizzazione della nuova TURN PAD RWY04 e della nuova RESA 22 che saranno articolati in 6 fasi, la cui attivazione sarà effettuata tramite apposito NOTAM.

2) I lavori saranno eseguiti soprattutto in prossimità della THR RWY04 e della THR RWY22, di conseguenza la pista 04/22 non sarà operativa in orario notturno dalle 00.00 alle 06.00 LMT.

3) Con il presente Supplemento vengono pubblicate una serie di carte divise nelle 6 fasi di lavoro. In ciascuna carta sono citate le limitazioni operative relative alla fase dei lavori, di cui si propone di seguito un riassunto.

FASE 1

a) Limitazioni operative RWY 04/22:
- pista strumentale non di precisione
- pista chiusa dalle 00.00 alle 06.00 LMT
- riduzione della STRIP
- riduzione della CWY RWY 22
- nuova posizione THR RWY 04
- distanze dichiarate temporanee per RWY 04/22 e per le INT TAKE OFF

b) Limitazioni operative delle TWY e delle Apron TWY:
- TWY A chiusa
- TWY B chiusa
- TWY T chiusa parzialmente tra TWY C (esclusa) e TWY B (compresa)

c) Cartografia AIP
- Aerodrome Chart ICAO RWY 04/22 (28 FEB 2019 - A1/19): sospendere e sostituire con **Aerodrome Chart ICAO RWY 04/22 - FASE 1 (5/107)**
- Hot Spot Map (6 DEC 2018 - A11/18): sospendere e sostituire con **Hot Spot Map - FASE 1 (7/107)**
- Low Visibility Procedures Chart (6 DEC 2018 - A11/18): sospendere e sostituire con **Low Visibility Procedures Chart - FASE 1 (9/107)**
- AOC tipo A ICAO - RWY 04/22 (7 JUL 2016 - 7/16): sospendere e sostituire con **AOC tipo A ICAO - RWY 04/22 - FASE 1 (11/107)**
- PATC RWY 04 (7 JUL 2016 - 7/16): sospendere
- AOC - tipo B ICAO - PX 4/2: sospendere e sostituire con **AOC tipo B ICAO - PX 4/2 - FASE 1**

AD

VERONA/Villafranca airport: flight infrastructure refurbishing works

1) From next 18/03/2019 until 18/05/2019 EST, works for the refurbishing of flight infrastructures and for the new TURN PAD RWY04 and the new RESA22 will take place. The works will be divided into 6 phases that will be announced by relevant NOTAM.

2) Works will take place near THR RWY04 and near THR RWY22, consequently RWY04/22 will never be used by night from 00.00 to 06.00 LMT.

3) With the present Supplement a number of charts, divided in the 6 working phases, are published. The operative limitations proper of each phase are mentioned in the pertaining chart, and are hereafter summarised.

PHASE 1

a) Operative limitations RWY 04/22:
- non precision instrument RWY
- RWY closed from 00.00 to 06.00 LMT
- reduction of STRIP
- reduction of CWY RWY 22
- new position THR RWY 04
- temporary declared distances for RWY 04/22 and for INT TAKE OFF positions

b) Operative limitations of TWY and Apron TWY:
- TWY A closed
- TWY B closed
- TWY T partially closed between TWY C (excluded) and TWY B (included)

c) AIP charts:
- Aerodrome Chart ICAO RWY 04/22 (28 FEB 2019 - A1/19): suspend and substitute with **Aerodrome Chart ICAO RWY 04/22 - PHASE 1 (5/107)**
- Hot Spot Map (6 DEC 2018 - A11/18): suspend and substitute with **Hot Spot Map - PHASE 1 (7/107)**
- Low Visibility Procedures Chart (6 DEC 2018 - A11/18): suspend and substitute with **Low Visibility Procedures Chart - PHASE 1 (9/107)**
- AOC tipo A ICAO - RWY 04/22 (datata 7 JUL 2016 - 7/16): suspend and substitute with **AOC tipo A ICAO - RWY 04/22 - PHASE 1 (11/107)**
- PATC RWY 04 (7 JUL 2016 - 7/16): to be suspended
- AOC - tipo B ICAO - PX 4/2: suspend and substitute with **AOC tipo B ICAO - PX 4/2 - PHASE 1**

- ILS RWY 04 (1 MAR 2018 - A1/18): sospendere e sostituire con **LOC RWY 04 - FASE 1 (13/107)**
- RNAV (GNSS) RWY 04 (1 MAR 2018 - A1/18): sospendere e sostituire con **RNAV (GNSS) RWY 04 - FASE 1 (15/107)**
- VOR RWY 04 (22 JUN 2017 - A5/17): sospendere e sostituire con **VOR RWY 04 - FASE 1 (19/107)**
- ICP e SID RWY 22 (11 OCT 2018 - A9/18): sospendere e sostituire con **ICP e SID RWY 22 - FASE 1 (21/107)**

FASE 2

a) Limitazioni operative RWY 04/22:

- pista strumentale non di precisione
- pista chiusa dalle 00.00 alle 06.00 LMT

b) Cartografia AIP:

- Aerodrome Chart ICAO RWY 04/22 (28 FEB 2019 - A1/19): sospendere e sostituire con **Aerodrome Chart ICAO RWY 04/22 - FASE 2 (25/107)**
- Hot Spot Map (6 DEC 2018 - A11/18): sospendere e sostituire con **Hot Spot Map - FASE 2 (27/107)**
- Low Visibility Procedures Chart (6 DEC 2018 - A11/18): sospendere e sostituire con **Low Visibility Procedures Chart - FASE 2 (29/107)**
- AOC tipo A ICAO - RWY 04/22 (7 JUL 2016 - 7/16): sospendere e sostituire con **AOC tipo A ICAO - RWY 04/22 - FASE 2 (31/107)**
- PATC RWY 04 (7 JUL 2016 - 7/16): sospendere
- AOC - tipo B ICAO - PX 4/2: sospendere e sostituire con **AOC tipo B ICAO - PX 4/2 - FASE 2**
- ILS RWY 04 (1 MAR 2018 - A1/18): sospendere
- RNAV (GNSS) RWY 04 (1 MAR 2018 - A1/18): sospendere e sostituire con **RNAV (GNSS) RWY 04 - FASE 2 (33/107)**
- VOR RWY 04 (22 JUN 2017 - A5/17): sospendere e sostituire con **VOR RWY 04 - FASE 2 (37/107)**

FASE 3

a) Limitazioni operative RWY04/22:

- pista strumentale non di precisione
- pista chiusa dalle 00.00 alle 06.00 LMT
- riduzione della STRIP
- riduzione della CWY RWY 04
- nuova posizione THR RWY 22
- distanze dichiarate temporanee per RWY 04/22; INT TAKE OFF Y, F e C non disponibili
- AD ELEV 237FT

b) Limitazioni operative delle TWY e delle Apron TWY:

- TWY Y chiusa
- TWY K chiusa
- TWY T chiusa parzialmente tra TWY F (compresa) e TWY E (esclusa)
- TWY F chiusa

c) Cartografia AIP:

- Aerodrome Chart ICAO RWY 04/22 (28 FEB 2019 - A1/19): sospendere e sostituire con **Aerodrome Chart ICAO RWY 04/22 - FASE 3 (39/107)**
- Hot Spot Map (6 DEC 2018 - A11/18): sospendere e sostituire con **Hot Spot Map - FASE 3 (41/107)**

- ILS RWY 04 (1 MAR 2018 - A1/18): suspend and substitute with **LOC RWY 04 - PHASE 1 (13/107)**
- RNAV (GNSS) RWY 04 (1 MAR 2018 - A1/18): suspend and substitute with **RNAV (GNSS) RWY 04 - PHASE 1 (15/107)**
- VOR RWY 04 (22 JUN 2017 - A5/17): suspend and substitute with **VOR RWY 04 - PHASE 1 (19/107)**
- ICP e SID RWY 22 (11 OCT 2018 - A9/18): suspend and substitute with **ICP e SID RWY 22 - PHASE 1 (21/107)**

PHASE 2

a) Operative limitations RWY 04/22:

- non precision instrument RWY
- RWY closed from 00.00 to 06.00 LMT

b) AIP charts:

- Aerodrome Chart ICAO RWY 04/22 (28 FEB 2019 - A1/19): suspend and substitute with **Aerodrome Chart ICAO RWY 04/22 - PHASE 2 (25/107)**
- Hot Spot Map (6 DEC 2018 - A11/18): suspend and substitute with **Hot Spot Map - PHASE 2 (27/107)**
- Low Visibility Procedures Chart (6 DEC 2018 - A11/18): suspend and substitute with **Low Visibility Procedures Chart - PHASE 2 (29/107)**
- AOC tipo A ICAO - RWY 04/22 (7 JUL 2016 - 7/16): suspend and substitute with **AOC tipo A ICAO - RWY 04/22 - PHASE 2 (31/107)**
- PATC RWY 04 (7 JUL 2016 - 7/16): to be suspended
- AOC - tipo B ICAO - PX 4/2: suspend and substitute with **AOC tipo B ICAO - PX 4/2 - PHASE 2**
- ILS RWY 04 (1 MAR 2018 - A1/18): to be suspended
- RNAV (GNSS) RWY 04 (1 MAR 2018 - A1/18): suspend and substitute with **RNAV (GNSS) RWY 04 - PHASE 2 (33/107)**
- VOR RWY 04 (22 JUN 2017 - A5/17): suspend and substitute with **VOR RWY 04 - PHASE 2 (37/107)**

PHASE 3

a) Operative limitations RWY 04/22:

- non precision instrument RWY
- RWY closed from 00.00 to 06.00 LMT
- reduction of STRIP
- reduction of CWY RWY 04
- new position THR RWY 22
- temporary declared distances for RWY 04/22; INT TAKE OFF Y, F and C not available
- AD ELEV 237FT

b) Operative limitations of TWY and Apron TWY:

- TWY Y closed
- TWY K closed
- TWY T partially closed between TWY F (included) and TWY E (excluded)
- TWY F closed

c) AIP charts:

- Aerodrome Chart ICAO RWY 04/22 (28 FEB 2019 - A1/19): suspend and substitute with **Aerodrome Chart ICAO RWY 04/22 - PHASE 3 (39/107)**
- Hot Spot Map (6 DEC 2018 - A11/18): suspend and substitute with **Hot Spot Map - PHASE 3 (41/107)**

- Low Visibility Procedures Chart (6 DEC 2018 - A11/18): sospendere e sostituire con **Low Visibility Procedures Chart - FASE 3 (43/107)**
- Aircraft Parking and Docking Chart ICAO (25 MAY 2017 - A4/17): sospendere e sostituire con **Aircraft Parking and Docking Chart ICAO - FASE 3 (45/107)**
- AOC tipo A ICAO - RWY 04/22 (7 JUL 2016 - 7/16): sospendere e sostituire con **AOC tipo A ICAO - RWY 04/22 - FASE 3 (47/107)**
- PATC RWY 04 (7 JUL 2016 - 7/16): sospendere
- AOC - tipo B ICAO - PX 4/2: sospendere e sostituire con **AOC tipo B ICAO - PX 4/2 - FASE 3**
- ILS RWY 04 (1 MAR 2018 - A1/18): sospendere
- RNAV (GNSS) RWY 04 (1 MAR 2018 - A1/18): sospendere e sostituire con **RNAV (GNSS) RWY 04 - FASE 3 (49/107)**
- VOR RWY 04 (22 JUN 2017 - A5/17): sospendere e sostituire con **VOR RWY 04 - FASE 3 (53/107)**
- SID RNAV 1 RWY 04 (11 OCT 2018 - A9/18): sospendere e sostituire con **SID RNAV 1 RWY 04 - FASE 3 (55/107)**
- ICP e SID RWY 04 (22 JUN 2017 - A5/17): sospendere e sostituire con **ICP e SID RWY 04 - FASE 3 (61/107)**

FASE 4

a) Limitazioni operative RWY 04/22:

- pista strumentale non di precisione
- pista chiusa dalle 00.00 alle 06.00 LMT

b) Cartografia AIP:

- Aerodrome Chart ICAO RWY 04/22 (28 FEB 2019 - A1/19): sospendere e sostituire con **Aerodrome Chart ICAO RWY 04/22 - FASE 4 (65/107)**
- Hot Spot Map (6 DEC 2018 - A11/18): sospendere e sostituire con **Hot Spot Map - FASE 4 (67/107)**
- Low Visibility Procedures Chart (6 DEC 2018 - A11/18): sospendere e sostituire con **Low Visibility Procedures Chart - FASE 4 (69/107)**
- AOC tipo A ICAO - RWY 04/22 (7 JUL 2016 - 7/16): sospendere e sostituire con **AOC tipo A ICAO - RWY 04/22 - FASE 4 (71/107)**
- PATC RWY 04 (7 JUL 2016 - 7/16): sospendere
- AOC - tipo B ICAO - PX 4/2: sospendere e sostituire con **AOC tipo B ICAO - PX 4/2 - FASE 4**
- ILS RWY 04 (1 MAR 2018 - A1/18): sospendere
- RNAV (GNSS) RWY 04 (1 MAR 2018 - A1/18): sospendere e sostituire con **RNAV (GNSS) RWY 04 - FASE 4 (73/107)**
- VOR RWY 04 (22 JUN 2017 - A5/17): sospendere e sostituire con **VOR RWY 04 - FASE 4 (77/107)**

FASE 5

a) Limitazioni operative RWY 04/22:

- pista strumentale non di precisione
- pista chiusa dalle 00.00 alle 06.00 LMT

b) Cartografia AIP:

- Aerodrome Chart ICAO RWY 04/22 (28 FEB 2019 - A1/19): sospendere e sostituire con **Aerodrome Chart ICAO RWY 04/22 - FASE 5 (79/107)**

- Low Visibility Procedures Chart (6 DEC 2018 - A11/18): suspend and substitute with **Low Visibility Procedures Chart - PHASE 3 (43/107)**
- Aircraft Parking and Docking Chart ICAO (25 MAY 2017 - A4/17): suspend and substitute with **Aircraft Parking and Docking Chart ICAO - PHASE 3 (45/107)**
- AOC tipo A ICAO - RWY 04/22 (7 JUL 2016 - 7/16): suspend and substitute with **AOC tipo A ICAO - RWY 04/22 - PHASE 3 (47/107)**
- PATC RWY 04 (7 JUL 2016 - 7/16): to be suspended
- AOC - tipo B ICAO - PX 4/2: suspend and substitute with **AOC tipo B ICAO - PX 4/2 - PHASE 3**
- ILS RWY 04 (1 MAR 2018 - A1/18): to be suspended
- RNAV (GNSS) RWY 04 (1 MAR 2018 - A1/18): suspend and substitute with **RNAV (GNSS) RWY 04 - PHASE 3 (49/107)**
- VOR RWY 04 (22 JUN 2017 - A5/17): suspend and substitute with **VOR RWY 04 - PHASE 3 (53/107)**
- SID RNAV 1 RWY 04 (11 OCT 2018 - A9/18): suspend and substitute with **SID RNAV 1 RWY 04 - PHASE 3 (55/107)**
- ICP e SID RWY 04 (22 JUN 2017 - A5/17): suspend and substitute with **ICP e SID RWY 04 - PHASE 3 (61/107)**
-

PHASE 4

a) Operative limitations RWY 04/22:

- non precision instrument RWY
- RWY closed from 00.00 to 06.00 LMT

b) AIP charts:

- Aerodrome Chart ICAO RWY 04/22 (28 FEB 2019 - A1/19): suspend and substitute with **Aerodrome Chart ICAO RWY 04/22 - PHASE 4 (65/107)**
- Hot Spot Map (6 DEC 2018 - A11/18): suspend and substitute with **Hot Spot Map - PHASE 4 (67/107)**
- Low Visibility Procedures Chart (6 DEC 2018 - A11/18): suspend and substitute with **Low Visibility Procedures Chart - PHASE 4 (69/107)**
- AOC tipo A ICAO - RWY 04/22 (7 JUL 2016 - 7/16): suspend and substitute with **AOC tipo A ICAO - RWY 04/22 - PHASE 4 (71/107)**
- PATC RWY 04 (7 JUL 2016 - 7/16): to be suspended
- AOC - tipo B ICAO - PX 4/2: suspend and substitute with **AOC tipo B ICAO - PX 4/2 - PHASE 4**
- ILS RWY 04 (1 MAR 2018 - A1/18): to be suspended
- RNAV (GNSS) RWY 04 (1 MAR 2018 - A1/18): suspend and substitute with **RNAV (GNSS) RWY 04 - PHASE 4 (73/107)**
- VOR RWY 04 (22 JUN 2017 - A5/17): suspend and substitute with **VOR RWY 04 - PHASE 4 (77/107)**

PHASE 5

a) Operative limitations RWY 04/22:

- non precision instrument RWY
- RWY closed from 00.00 to 06.00 LMT

b) AIP charts:

- Aerodrome Chart ICAO RWY 04/22 (28 FEB 2019 - A1/19): suspend and substitute with **Aerodrome Chart ICAO RWY 04/22 - PHASE 5 (79/107)**

- Hot Spot Map (6 DEC 2018 - A11/18): sospendere e sostituire con **Hot Spot Map - FASE 5 (81/107)**
- Low Visibility Procedures Chart (6 DEC 2018 - A11/18): sospendere e sostituire con **Low Visibility Procedures Chart - FASE 5 (83/107)**
- AOC tipo A ICAO - RWY 04/22 (7 JUL 2016 - 7/16): sospendere e sostituire con **AOC tipo A ICAO - RWY 04/22 - FASE 5 (85/107)**
- PATC RWY 04 (7 JUL 2016 - 7/16): sospendere
- AOC - tipo B ICAO - PX 4/2: sospendere e sostituire con **AOC tipo B ICAO - PX 4/2 - FASE 5**
- ILS RWY 04 (1 MAR 2018 - A1/18): sospendere
- RNAV (GNSS) RWY 04 (1 MAR 2018 - A1/18): sospendere e sostituire con **RNAV (GNSS) RWY 04 - FASE 5 (87/107)**
- VOR RWY 04 (22 JUN 2017 - A5/17): sospendere e sostituire con **VOR RWY 04 - FASE 5 (91/107)**

FASE 6

a) Limitazioni operative RWY 04/22:

- RWY 04 strumentale di precisione CAT I
- nuovo **ILS/DME IVRN**:

LOC IVRN
FREQ 111.750 MHz
45°24'27.8" N 010°54'21.7" E
DME IVRN
CH 54Y
45°23'26.2"N 010°52'42.0"E
ELEV ANTENNA 78 M AMSL
Copertura Operativa Nominale
25NM/10000FT
GP
FREQ 333.350 MHz
45°23'25.6"N 010°52'42.2"E

- pista chiusa dalle 00.00 alle 06.00 LMT

b) Cartografia AIP:

- Aerodrome Chart ICAO RWY 04/22 (28 FEB 2019 - A1/19): sospendere e sostituire con **Aerodrome Chart ICAO RWY 04/22 - FASE 6 (93/107)**
- Hot Spot Map (6 DEC 2018 - A11/18): sospendere e sostituire con **Hot Spot Map - FASE 6 (95/107)**
- Low Visibility Procedures Chart (6 DEC 2018 - A11/18): sospendere e sostituire con **Low Visibility Procedures Chart - FASE 6 (97/107)**
- AOC tipo A ICAO - RWY 04/22 (7 JUL 2016 - 7/16): sospendere e sostituire con **AOC tipo A ICAO - RWY 04/22 - FASE 6 (99/107)**
- PATC RWY 04 (7 JUL 2016 - 7/16): sospendere
- AOC - tipo B ICAO - PX 4/2: sospendere e sostituire con **AOC tipo B ICAO - PX 4/2 - FASE 6**
- ILS RWY 04 (1 MAR 2018 - A1/18): sospendere e sostituire con **ILS RWY 04 - FASE 6 (101/107)**
- RNAV (GNSS) RWY 04 (1 MAR 2018 - A1/18): sospendere e sostituire con **RNAV (GNSS) RWY 04 - FASE 6 (103/107)**
- VOR RWY 04 (22 JUN 2017 - A5/17): sospendere e sostituire con **VOR RWY 04 - FASE 6 (107/107)**

- Hot Spot Map (6 DEC 2018 - A11/18): suspend and substitute with **Hot Spot Map - PHASE 5 (81/107)**
- Low Visibility Procedures Chart (6 DEC 2018 - A11/18): suspend and substitute with **Low Visibility Procedures Chart - PHASE 5 (83/107)**
- AOC tipo A ICAO - RWY 04/22 (7 JUL 2016 - 7/16): suspend and substitute with **AOC tipo A ICAO - RWY 04/22 - PHASE 5 (85/107)**
- PATC RWY 04 (7 JUL 2016 - 7/16): sospendere
- AOC - tipo B ICAO - PX 4/2: suspend and substitute with **AOC tipo B ICAO - PX 4/2 - PHASE 5**
- ILS RWY 04 (1 MAR 2018 - A1/18): sospendere
- RNAV (GNSS) RWY 04 (1 MAR 2018 - A1/18): suspend and substitute with **RNAV (GNSS) RWY 04 - PHASE 5 (87/107)**
- VOR RWY 04 (22 JUN 2017 - A5/17): suspend and substitute with **VOR RWY 04 - PHASE 5 (91/107)**

PHASE 5

a) Operative limitations RWY 04/22:

- RWY 04 precision instrument CAT I
- new **ILS/DME IVRN**:

LOC IVRN
FREQ 111.750 MHz
45°24'27.8" N 010°54'21.7" E
DME IVRN
CH 54Y
45°23'26.2"N 010°52'42.0"E
ELEV ANTENNA 78 M AMSL
Designated Operational Coverage
25NM/10000FT
GP
FREQ 333.350 MHz
45°23'25.6"N 010°52'42.2"E

- RWY closed from 00.00 to 06.00 LMT

b) AIP charts:

- Aerodrome Chart ICAO RWY 04/22 (28 FEB 2019 - A1/19): suspend and substitute with **Aerodrome Chart ICAO RWY 04/22 - PHASE 6 (93/107)**
- Hot Spot Map (6 DEC 2018 - A11/18): suspend and substitute with **Hot Spot Map - PHASE 6 (95/107)**
- Low Visibility Procedures Chart (6 DEC 2018 - A11/18): suspend and substitute with **Low Visibility Procedures Chart - PHASE 6 (97/107)**
- AOC tipo A ICAO - RWY 04/22 (7 JUL 2016 - 7/16): suspend and substitute with **AOC tipo A ICAO - RWY 04/22 - PHASE 6 (99/107)**
- PATC RWY 04 (7 JUL 2016 - 7/16): to be suspended
- AOC - tipo B ICAO - PX 4/2: suspend and substitute with **AOC tipo B ICAO - PX 4/2 - PHASE 6**
- ILS RWY 04 (1 MAR 2018 - A1/18): suspend and substitute with **ILS RWY 04 - PHASE 6 (101/107)**
- RNAV (GNSS) RWY 04 (1 MAR 2018 - A1/18): suspend and substitute with **RNAV (GNSS) RWY 04 - PHASE 6 (103/107)**
- VOR RWY 04 (22 JUN 2017 - A5/17): suspend and substitute with **VOR RWY 04 - PHASE 6 (107/107)**

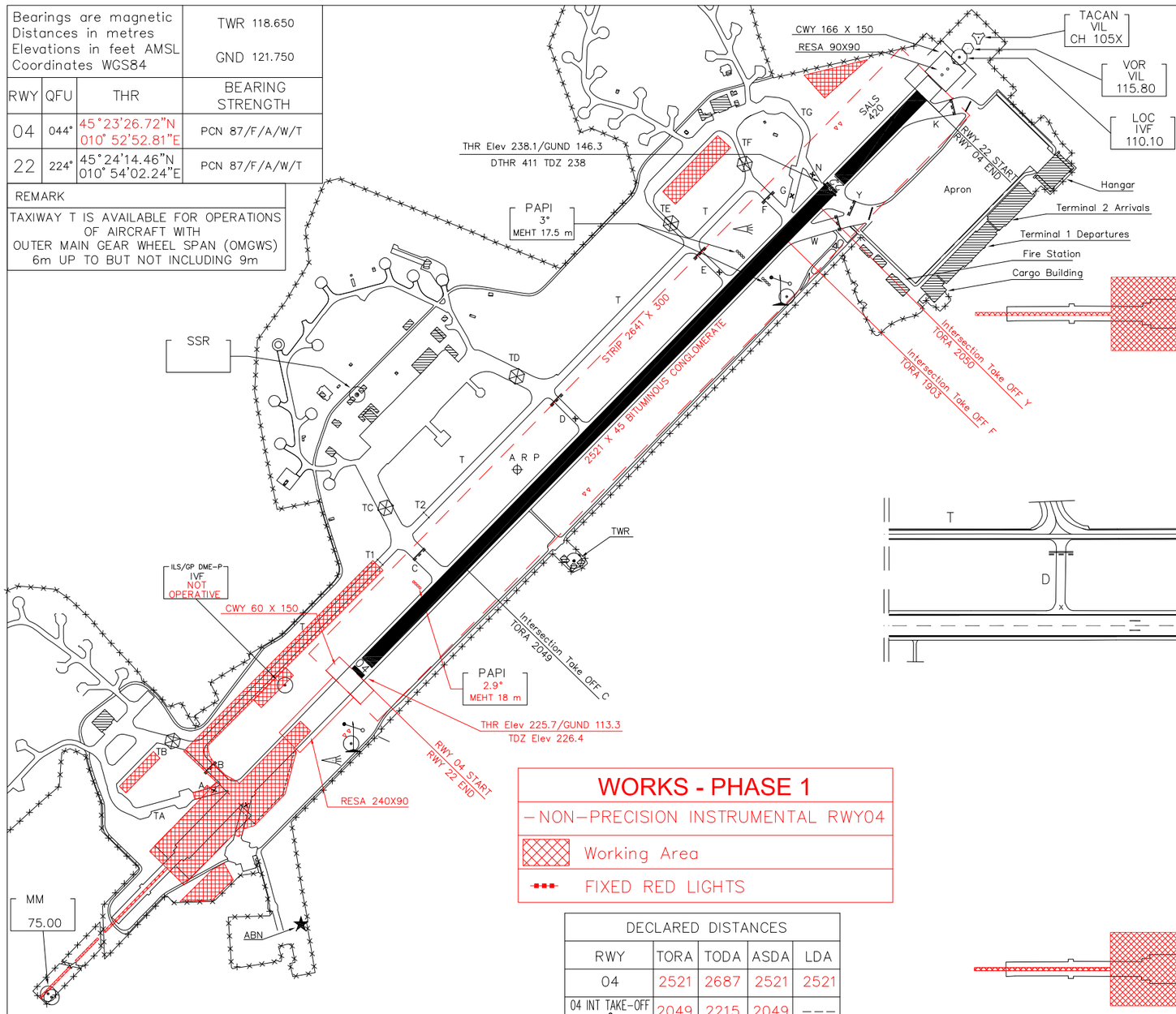
Bearings are magnetic Distances in metres Elevations in feet AMSL Coordinates WGS84			TWR 118.650 GND 121.750
RWY	QFU	THR	BEARING STRENGTH
04	044°	45°23'26.72"N 010°52'52.81"E	PCN 87/F/A/W/T
22	224°	45°24'14.46"N 010°54'02.24"E	PCN 87/F/A/W/T

REMARK

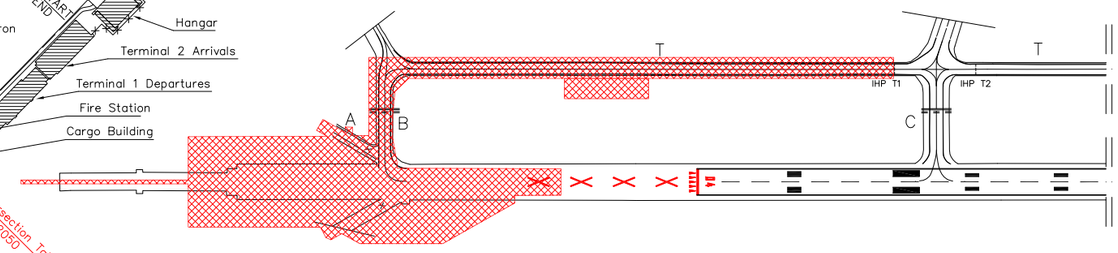
TAXIWAY T IS AVAILABLE FOR OPERATIONS OF AIRCRAFT WITH OUTER MAIN GEAR WHEEL SPAN (OMGWS) 6m UP TO BUT NOT INCLUDING 9m

AD ELEV 240	VERONA / VILLAFRANCA	
APRON ELEV 232	L I P X	45° 23' 47"N 010° 53' 16"E

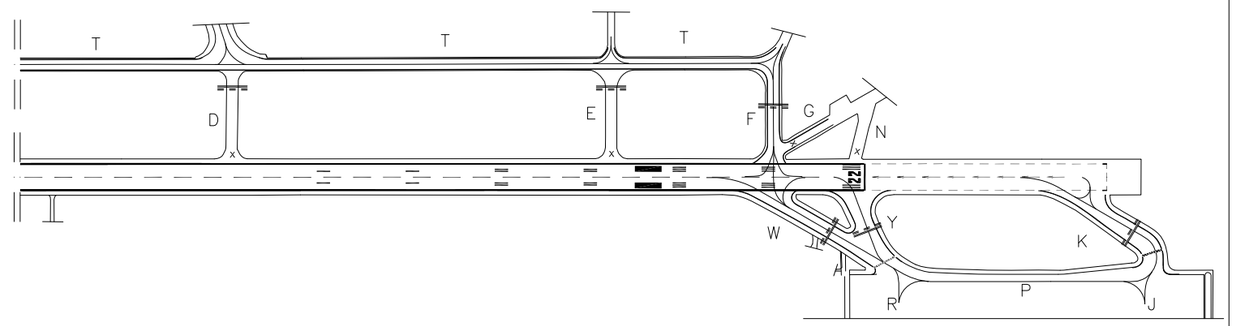
CHANGE: WIP PHASE 1



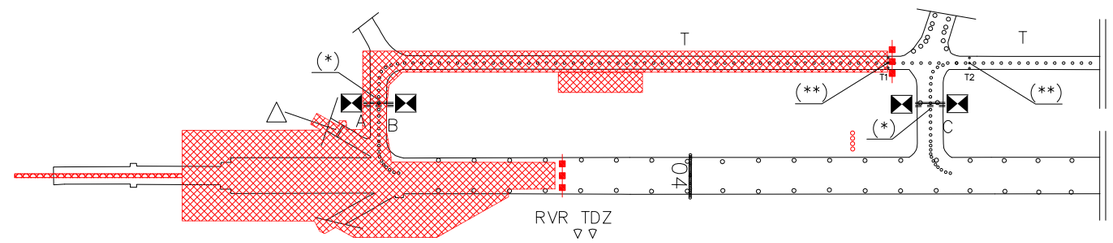
MARKING AIDS (Not to scale)



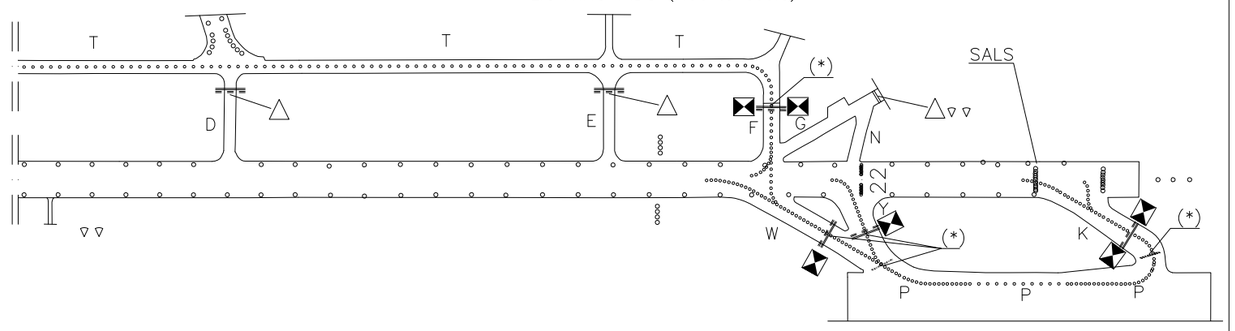
MARKING AIDS (Not to scale)



LIGHTING AIDS (Not to scale)



LIGHTING AIDS (Not to scale)



WORKS - PHASE 1

– NON–PRECISION INSTRUMENTAL RWY04

Working Area

FIXED RED LIGHTS

DECLARED DISTANCES				
RWY	TORA	TODA	ASDA	LDA
04	2521	2687	2521	2521
04 INT TAKE-OFF C	2049	2215	2049	---
22	2521	2581	2521	2110
22 INT TAKE-OFF F	1903	1963	1903	---
22 INT TAKE-OFF Y	2050	2110	2050	---

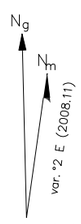
IDENT	WIDTH	SURFACE	BEARING STRENGTH
A	NIL	Asphalt Concrete	NIL
B	18	Concrete	PCN53/F/B/W/T
C	23	Asphalt	PCN81/F/A/W/U
D	NIL	Asphalt	PCN87/F/A/W/T
E	NIL	Asphalt	PCN81/F/A/W/T
F	18	Concrete	PCN53/F/B/W/T
G	NIL	Asphalt Concrete	NIL
K	28	Asphalt	PCN90/F/A/W/T
N	NIL	Asphalt Concrete	NIL
T	15	Asphalt	PCN73/F/A/W/T
W	23	Asphalt	PCN90/F/A/W/T
Y	30	Asphalt	PCN100/F/A/W/T

(*) STOP BAR

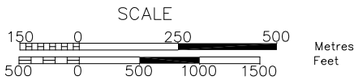
(**) IHP

△ RED FIXED LIGHT

⊗ : Not usable by Civil Aircraft



(Annual rate of change: 6' E)



ATC SERVICES	
TWR 118.650	GND 121.750

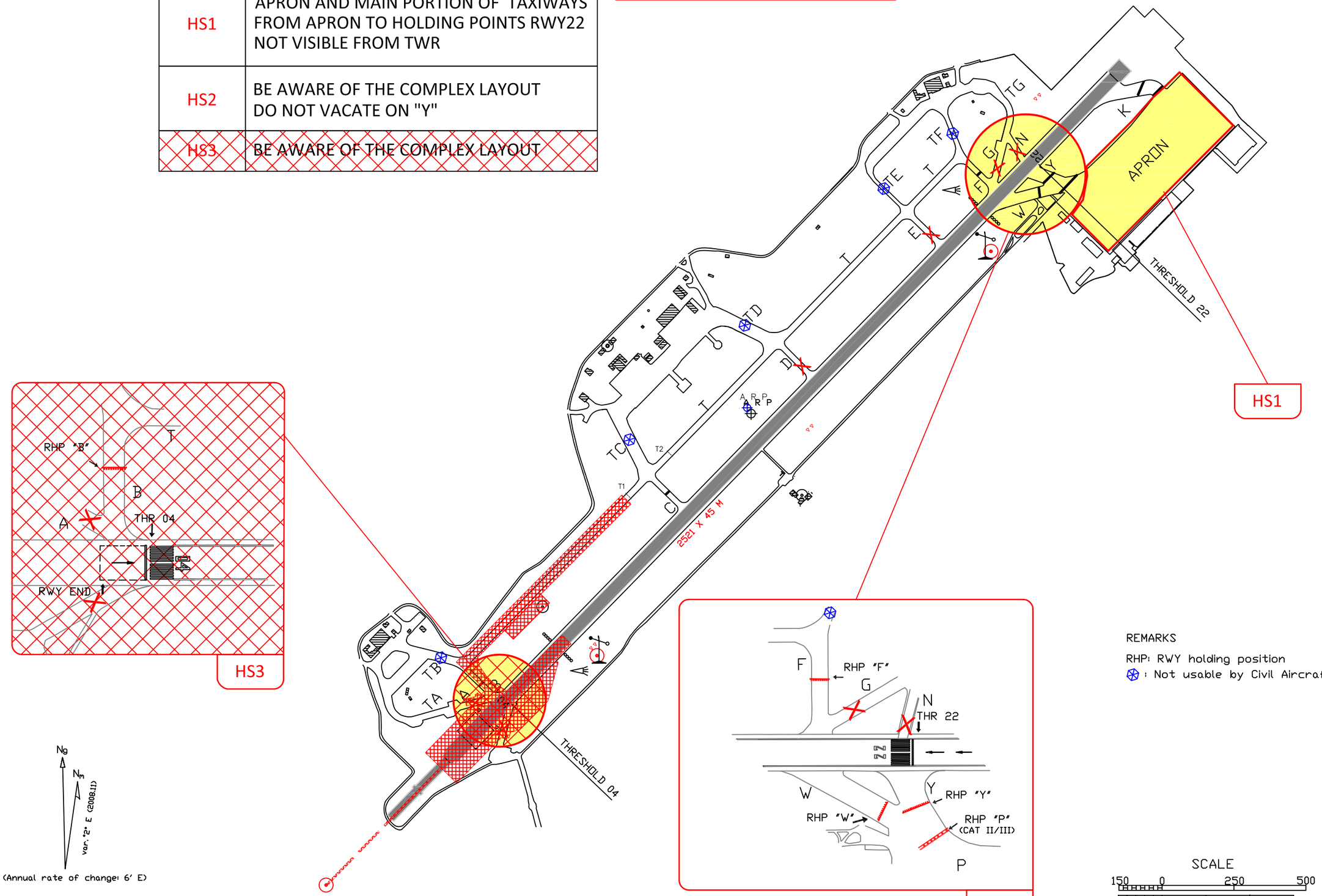
HOT SPOT	DESCRIPTION
HS1	APRON AND MAIN PORTION OF TAXIWAYS FROM APRON TO HOLDING POINTS RWY22 NOT VISIBLE FROM TWR
HS2	BE AWARE OF THE COMPLEX LAYOUT DO NOT VACATE ON "Y"
HS3	BE AWARE OF THE COMPLEX LAYOUT

WORKS - PHASE 1

Working Area

AD ELEV 240	VERONA / VILLAFRANCA	
APRON ELEV 232	L I P X	45°23' 47"N 010° 53' 16"E

CHANGE: WIP PHASE 1



REMARKS

RHP: RWY holding position

⊛ : Not usable by Civil Aircraft

ATC SERVICES	
TWR 118.650	GND 121.750

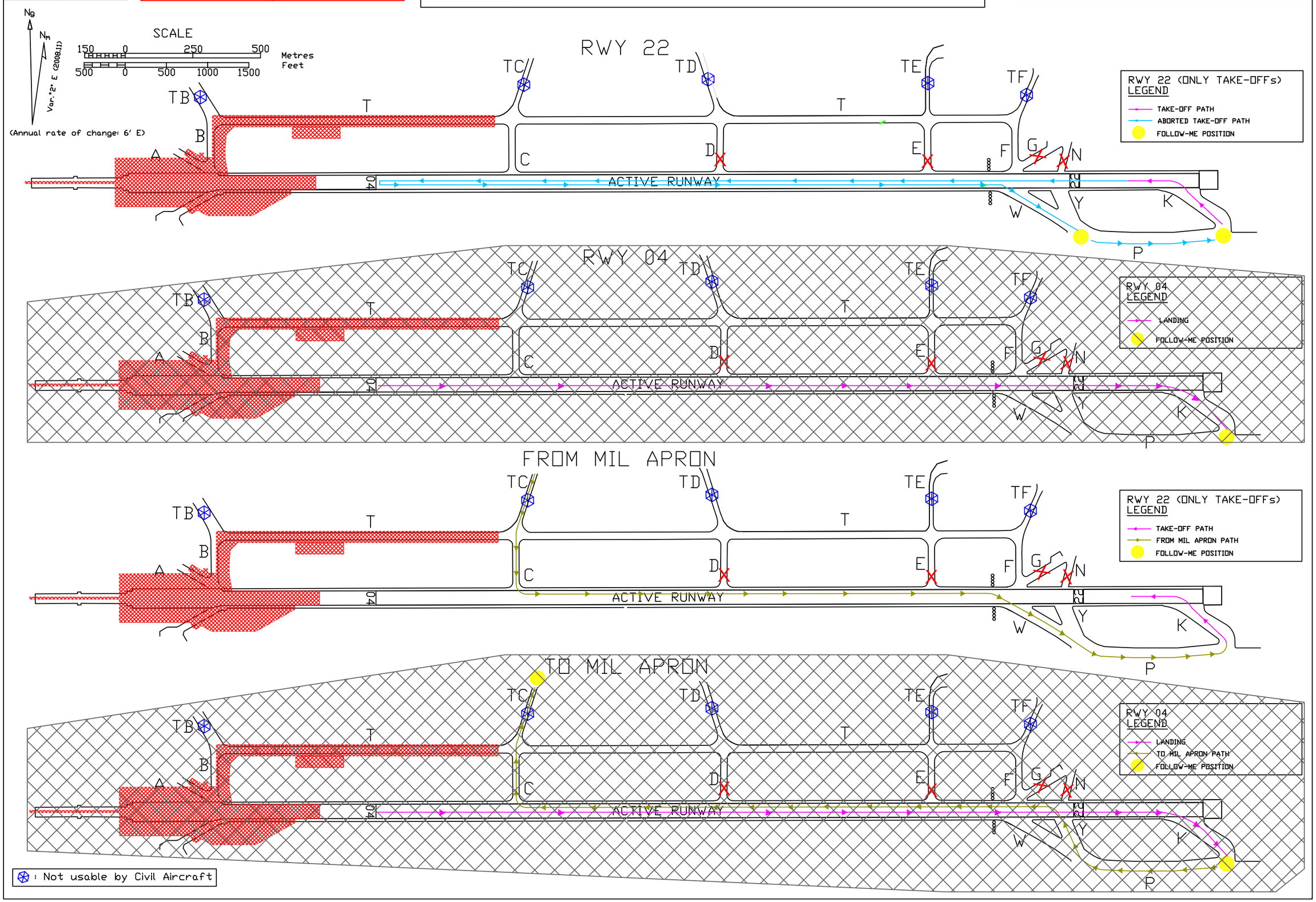
WORKS - PHASE 1

Working Area | Not Possible

WARNING : DIFFERENT ROUTINGS COULD BE AUTHORIZED AT ATC DESCRETION

AD ELEV 240	VERONA / VILLAFRANCA	
APRON ELEV 232	L I P X	45° 23′ 47″N 010° 53′ 16″E

CHANGE: WIP PHASE 1



Dimensioni ed altitudini in metri
Dimensions and elevations in metres

CARTA DEGLI OSTACOLI DI AERODROMO TIPO A OACI – Limitazioni Operative
AERODROME OBSTACLE CHART ICAO TYPE A – Operating Limitations

ITALY – VERONA/VILLAFRANCA

RWY 04/22

Declinazione magnetica: 2° E 2005.0
Magnetic variation:

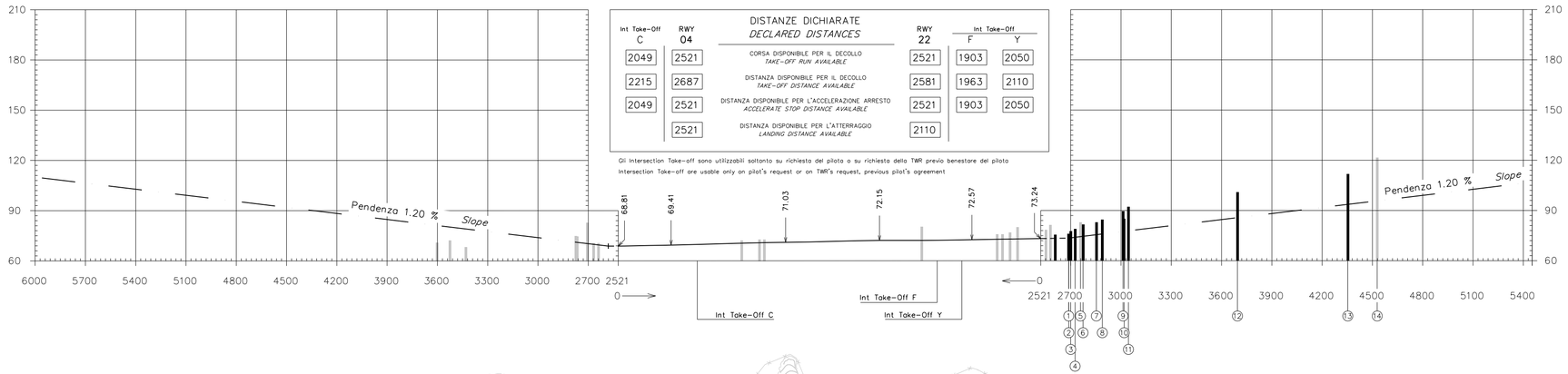
Italian Magnetic model 2005

Annual rate of change: 6' E

CONSULTARE I NOTAM PER LE ULTIME INFORMAZIONI
CONSULT NOTAM FOR LATEST INFORMATION

CHANGE: WORKS – PHASE 1

LEGENDA *LEGEND*	PIANTA *PLAN*	PROFILO *PROFILE*
Numero di identificazione *Identification number*	1	1
Profilo ostacoli situati nell'area di decollo *Obstructions within the take-off flight path area*		
Profilo ostacoli situati fuori dell'area di decollo *Obstructions beyond the take-off flight path area*		
Altitudine dell'ostacolo ed altezza dell'antenna se esistente *Obstacle altitude and antenna height if available*	56+1.5	
Edificio o costruzione importante *Building or large structure*		
Palo, torre, campanile, antenna, ciminiera *Pole, tower, spire, antenna, chimney*		
Traliccio *Lattice*		
Gru *Crane*		
Albero o arbusto – Gruppo di alberi *Tree or shrub – Wooded areas*		
Centro abitato *Built-up area*		
Ferrovia (uno o due binari) *Railroad (one or more tracks)*		
Linea trasporto energia elettrica – cavo sospeso *Transmission line – Overhead cable*		
Recinzione *Fence*		
Terreno sporgente dal piano ostacoli *Terrain penetrating obstruction plane*		

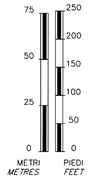


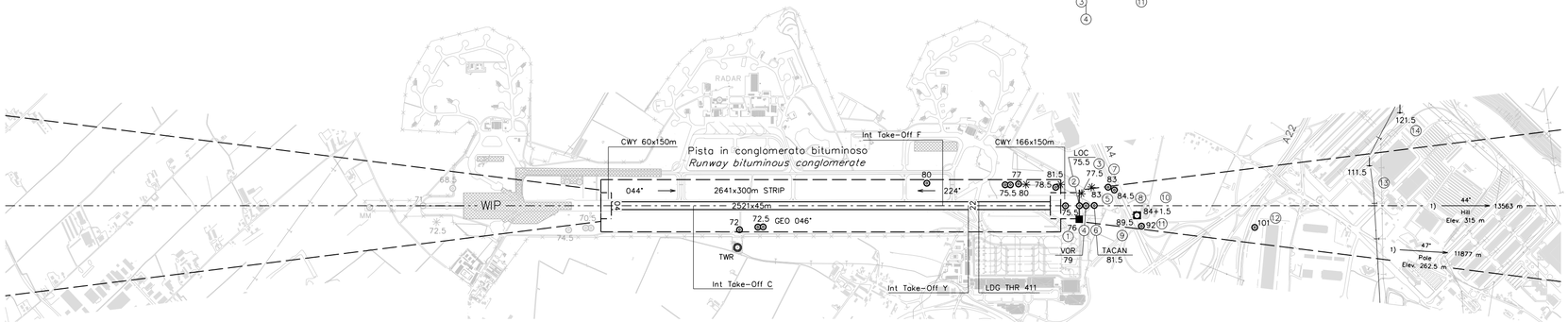
DISTANZE DICHIARATE
DECLARED DISTANCES

Int Take-Off C	RWY 04		RWY 22	Int Take-Off F	Int Take-Off Y
2049	2521	CORSA DISPONIBILE PER IL DECOLLO *TAKE-OFF RUN AVAILABLE*	2521	1903	2050
2215	2687	DISTANZA DISPONIBILE PER IL DECOLLO *TAKE-OFF DISTANCE AVAILABLE*	2581	1963	2110
2049	2521	DISTANZA DISPONIBILE PER L'ACCELERAZIONE ARRESTO *ACCELERATE STOP DISTANCE AVAILABLE*	2521	1903	2050
	2521	DISTANZA DISPONIBILE PER L'ATTERRAGGIO *LANDING DISTANCE AVAILABLE*	2110		

Gli Intersection Take-off sono utilizzabili soltanto su richiesta del pilota o su richiesta della TWR previo benestare del pilota
Intersection Take-off are usable only on pilot's request or on TWR's request, previous pilot's agreement

SCALA VERTICALE
VERTICAL SCALE
1:2000

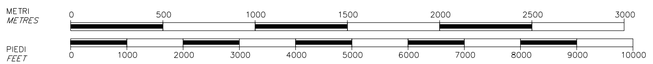




1) RILEVAMENTO MAGNETICO E DISTANZA CALCOLATI DAL FINE PISTA 22

1) MAGNETIC BEARING AND DISTANCE COMPUTED FROM RWY END 22

SCALA ORIZZONTALE 1:20000 *HORIZONTAL SCALE*



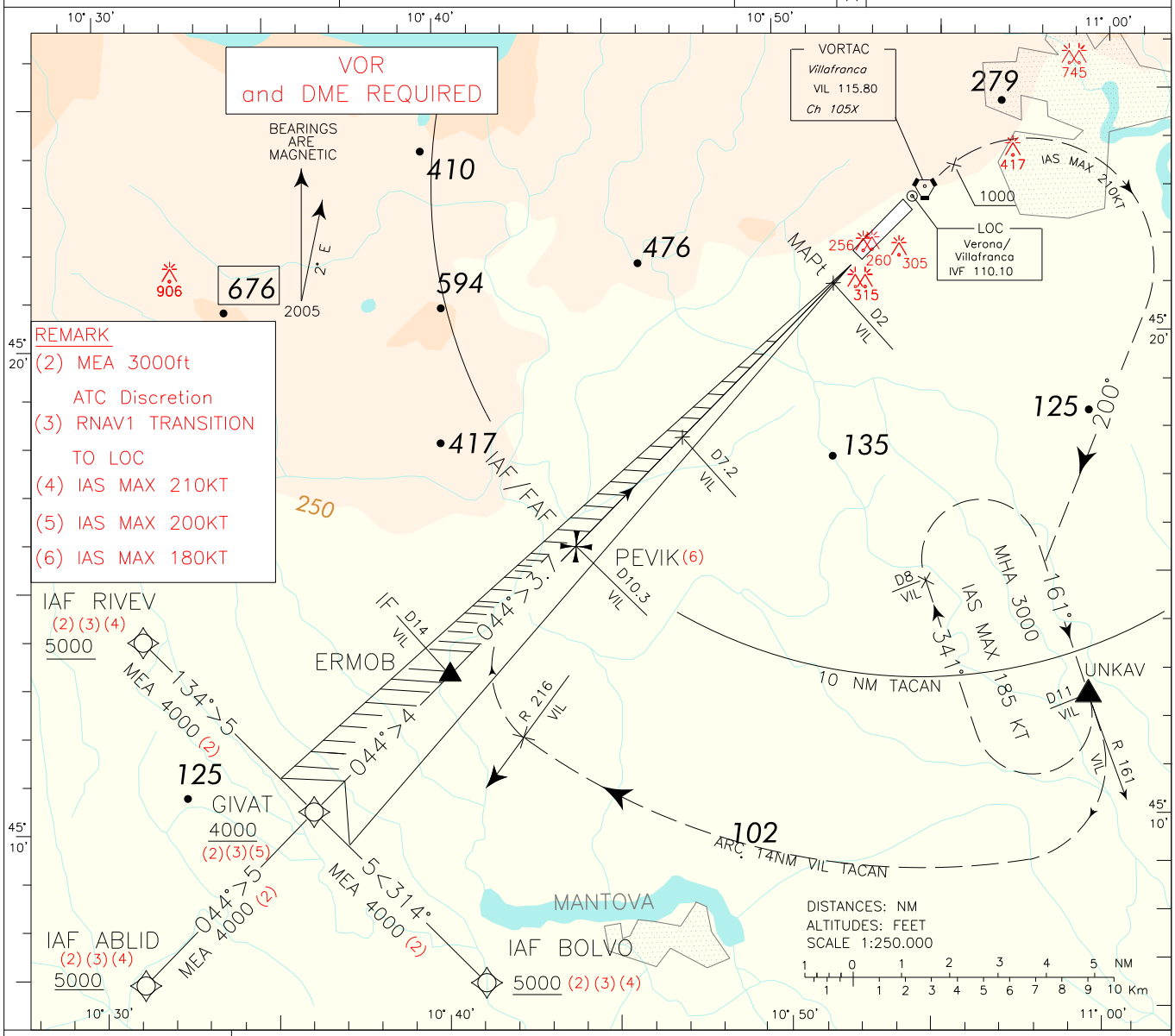
Le precisioni della carta sono quelle descritte nell'Annesso 4 ICAO, Capitolo 3.9
Accuracies on the chart are specified in ICAO Annex 4, Chapter 3.9

VARIANTI *AMENDMENT RECORD*

N.	DATA *DATE*	REGISTRATO DA *ENTERED BY*

DOC.8168–ED.6–2014 AMDT 7

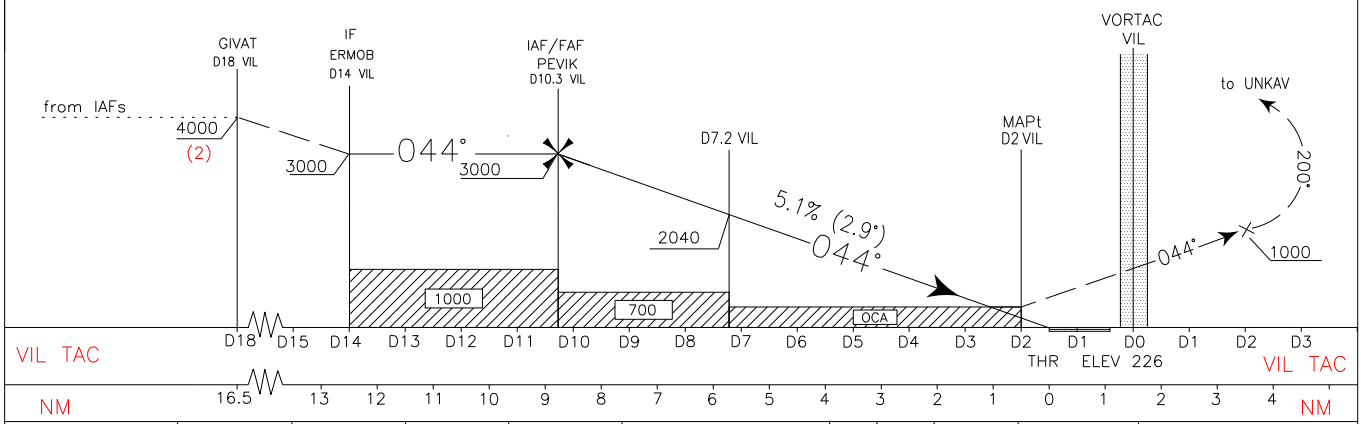
APP Verona APP/Radar TWR Villafranca TWR	135.900 124.250 118.550 118.650	AD ELEV 240	LIPX VERONA/ VILLAFRANCA LOC RWY 04



NEW TEMPORARY PROCEDURE FOR PHASE 1

TRANSITION ALT 6000

MISSED APPROACH: Maintaining final TR 044°, climb to 3000 ft. Passing VIL VORTAC or 1000 ft, whichever is later, turn right TR 200° (IAS MAX 210KT) to join RDL 161 VIL VOR bound to UNKAV missed approach holding pattern.
Hold on RDL 161 VIL VOR at 3000ft, between 11NM and 8NM VIL TACAN; inbound TR 161°, right turns, IAS MAX 185KT.



OCA (OCH)		A	B	C	D
STRAIGHT IN APPROACH	LOC	570 (344)			
CIRCLING (1)		800 (560)		950 (710)	1100 (860)

(1) REMARK: Circling allowed South–East of the RWY only.

GS	FT PER MIN
80	415
100	515
120	620
140	725
160	825
180	930

DIST VIL TACAN	ALT (HGT)
10.3 NM	3000 (2774)
9 NM	2600 (2374)
8 NM	2290 (2064)
7 NM	1980 (1754)
6 NM	1670 (1444)
5 NM	1360 (1134)
4 NM	1050 (824)
3 NM	740 (514)

MNM SECT ALT VIL VORTAC
9500
090 270
2800

RNAV TRANSITION TO LOC APPROACH via ABLID

Path Terminator	Waypoint identifier	Flyover	Course/Track °M (°T)	Turn Direction	Altitude Constraint (ft)	Speed Limit (kt)/Bank Angle	Recommended Navaid	Bearing/ Range from Navaid	Distance from THR (NM)	Navigation Performance
IF	ABLID	-	-	-	+5000 (1)	210	-	-	21.2	RNAV 1
TF	GIVAT	-	044 (045.1)	-	+4000 (1)	200	-	-	16.2	RNAV 1
TF	ERMOB	-	044 (045.9)	-	+3000	-	-	-	12.2	RNAV 1

RNAV TRANSITION TO LOC APPROACH via BOLVO

Path Terminator	Waypoint identifier	Flyover	Course/Track °M (°T)	Turn Direction	Altitude Constraint (ft)	Speed Limit (kt)/Bank Angle	Recommended Navaid	Bearing/ Range from Navaid	Distance from THR (NM)	Navigation Performance
IF	BOLVO	-	-	-	+5000 (1)	210	-	-	-	RNAV 1
TF	GIVAT	-	314 (315.9)	-	+4000 (1)	200	-	-	16.2	RNAV 1
TF	ERMOB	-	044 (045.9)	-	+3000	-	-	-	12.2	RNAV 1

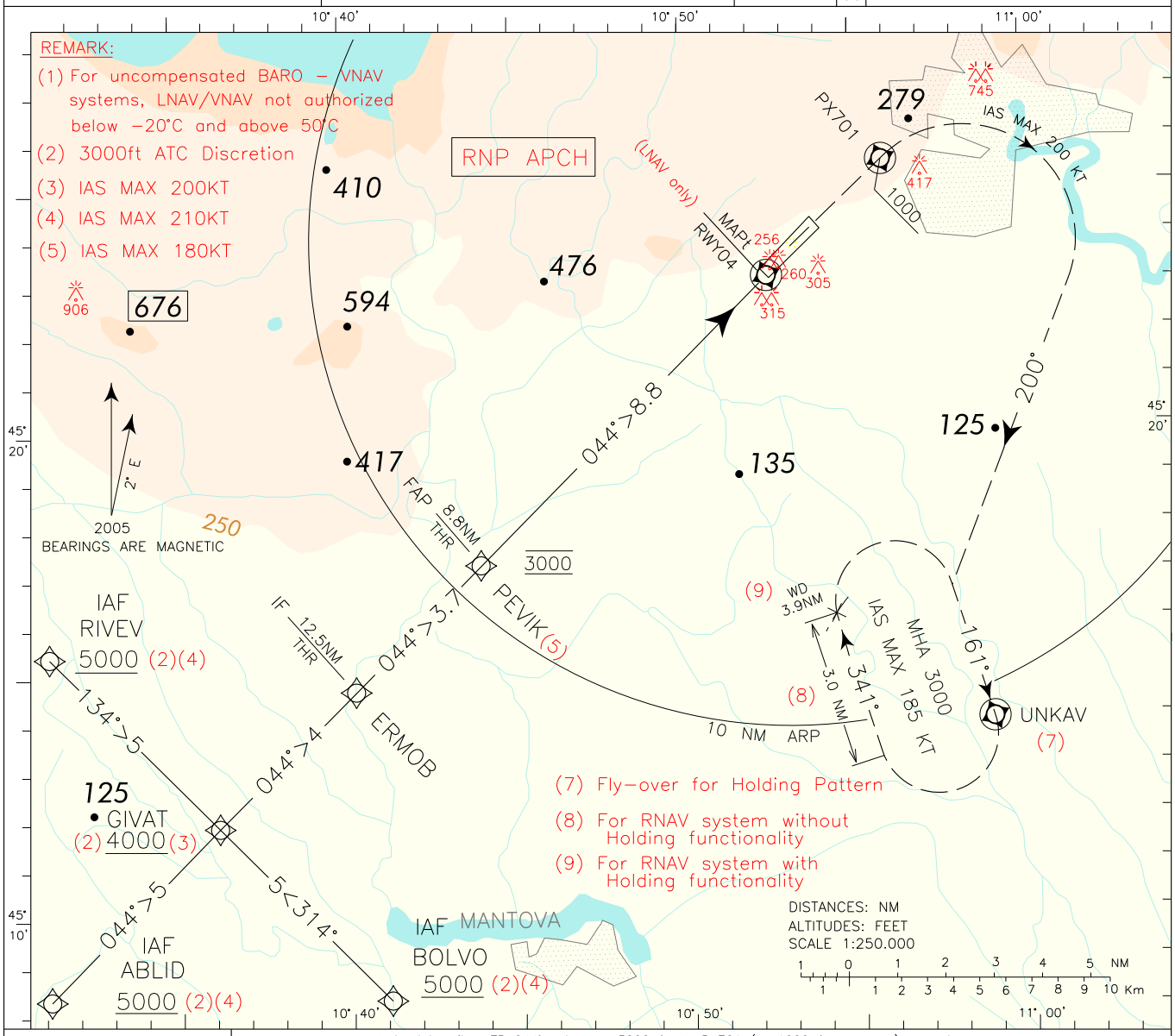
RNAV TRANSITION TO LOC APPROACH via RIVEV

Path Terminator	Waypoint identifier	Flyover	Course/Track °M (°T)	Turn Direction	Altitude Constraint (ft)	Speed Limit (kt)/Bank Angle	Recommended Navaid	Bearing/ Range from Navaid	Distance from THR (NM)	Navigation Performance
IF	RIVEV	-	-	-	+5000 (1)	210	-	-	-	RNAV 1
TF	GIVAT	-	134 (135.7)	-	+4000 (1)	200	-	-	16.2	RNAV 1
TF	ERMOB	-	044 (045.9)	-	+3000	-	-	-	12.2	RNAV 1

REMARKS

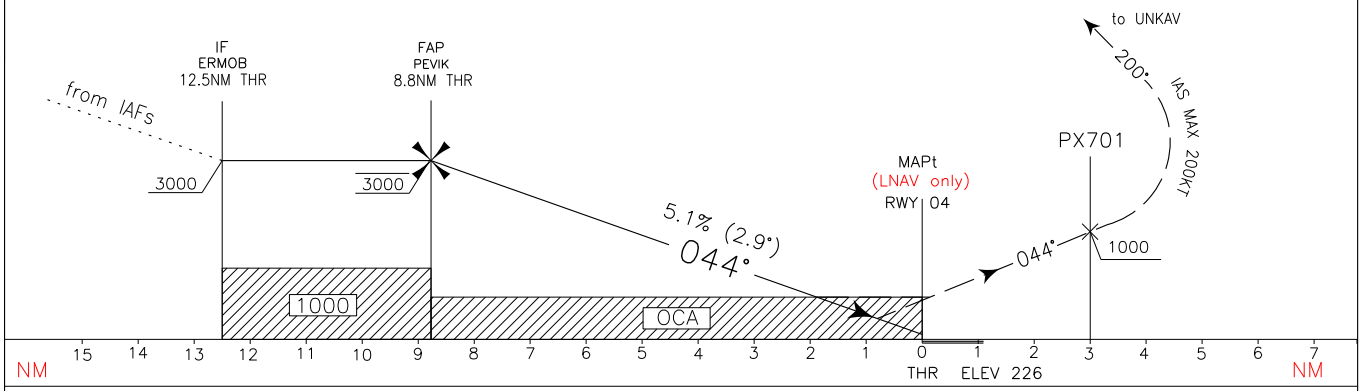
(1) **3000 FT ATC Discretion**

APP Verona APP/Radar	135.900 124.250	AD ELEV	LIPX	VERONA/VILLAFRANCA
TWR Villafranca TWR	118.550 118.650	240		RNAV (GNSS) RWY 04



TRANSITION ALT 6000

MISSED APPROACH: Maintaining final TR 044°, climb to 3000 ft. At PX701 (at 1000 ft or above) turn right on TR 200° to join and follow TR 161° bound to UNKAV missed approach holding pattern. Hold at 3000 ft, inbound TR 161°, right turns, IAS MAX 185 kt.

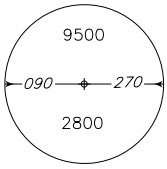


OCA (OCH)		A	B	C	D
STRAIGHT IN APPROACH	LNAV/VNAV	570 (344)	580 (354)	590 (364)	600 (374)
	LNAV	650 (424)			
CIRCLING (6)		800 (560)		950 (710)	1100 (860)

(6) REMARK: Circling allowed South-East of the RWY only.

GS	FT PER MIN	DIST THR 04	ALT (HGT)
80	415	7 NM	2445 (2219)
100	515	6 NM	2135 (1909)
120	620	5 NM	1825 (1599)
140	725	4 NM	1515 (1289)
160	825	3 NM	1205 (979)
180	930	2 NM	895 (669)

MNM SECT ALT 25NM ARP



DOC.8168–ED.6–2014 AMDT 7

NEW TEMPORARY PROCEDURE FOR PHASE 1

RNAV (GNSS) RWY04 – Instrument Approach Procedure via ABLID

Path Terminator	Waypoint identifier	Flyover	Course/Track °M (°T)	Turn Direction	Altitude Constraint (ft)	Speed Limit (kt)/Bank Angle	Recommended Navaid	Bearing/ Range from Navaid	Distance from THR (NM)	Remarks
IF	ABLID	-	-	-	+5000 (4)	-210	-	-	21.5	-
TF	GIVAT	-	044 (045.1)	-	+4000 (4)	-200	-	-	16.5	-
TF	ERMOB	-	044 (045.9)	-	+3000	-	-	-	12.5	-
TF	PEVIK	-	044 (045.6)	-	@3000	-180	-	-	8.8	-
TF	THR 04	Y	044 (045.6)	-	-	-	-	-	-	MAPt (1)
TF	PX701	Y	044 (045.7)	-	+1000	-200	-	-	-	-
VI	-	-	200 (202.0)	R	-	-	-	-	-	-
CF	UNKAV	-	161 (163.1)	-	+3000	-185	-	-	-	-
HM	UNKAV	Y	161 (163.1)	R	+3000	-185	-	-	-	-

RNAV (GNSS) RWY04 – Instrument Approach Procedure via BOLVO

Path Terminator	Waypoint identifier	Flyover	Course/Track °M (°T)	Turn Direction	Altitude Constraint (ft)	Speed Limit (kt)/Bank Angle	Recommended Navaid	Bearing/ Range from Navaid	Distance from THR (NM)	Remarks
IF	BOLVO	-	-	-	+5000 (4)	-210	-	-	-	-
TF	GIVAT	-	314 (315.9)	-	+4000 (4)	-200	-	-	16.5	-
TF	ERMOB	-	044 (045.9)	-	+3000	-	-	-	12.5	-
TF	PEVIK	-	044 (045.6)	-	@3000	-180	-	-	8.8	-
TF	THR 04	Y	044 (045.6)	-	-	-	-	-	-	MAPt (1)
TF	PX701	Y	044 (045.7)	-	+1000	-200	-	-	-	-
VI	-	-	200 (202.0)	R	-	-	-	-	-	-
CF	UNKAV	-	161 (163.1)	-	+3000	-185	-	-	-	-
HM	UNKAV	Y	161 (163.1)	R	+3000	-185	-	-	-	-

RNAV (GNSS) RWY04 – Instrument Approach Procedure via RIVEV

Path Terminator	Waypoint identifier	Flyover	Course/Track °M (°T)	Turn Direction	Altitude Constraint (ft)	Speed Limit (kt)/Bank Angle	Recommended Navaid	Bearing/ Range from Navaid	Distance from THR (NM)	Remarks
IF	RIVEV	-	-	-	+5000 (4)	-210	-	-	-	-
TF	GIVAT	-	134 (135.7)	-	+4000 (4)	-200	-	-	16.5	-
TF	ERMOB	-	044 (045.9)	-	+3000	-	-	-	12.5	-
TF	PEVIK	-	044 (045.6)	-	@3000	-180	-	-	8.8	-
TF	THR 04	Y	044 (045.6)	-	-	-	-	-	-	MAPt (1)
TF	PX701	Y	044 (045.7)	-	+1000	-200	-	-	-	-
VI	-	-	200 (202.0)	R	-	-	-	-	-	-
CF	UNKAV	-	161 (163.1)	-	+3000	-185	-	-	-	-
HM	UNKAV	Y	161 (163.1)	R	+3000	-185	-	-	-	-

Missed Approach Holding RNAV UNKAV

Path Terminator	Waypoint identifier	Inbound Course °M(°T)	Leg Distance (NM) (2)	Timing(min.)/ Waypoint Distance (NM) (3)	Turn Direction	Minimum Altitude (FT)	Maximum Altitude (FL)	Speed Limit (kt)	Magnetic Variation (°)	Navigation Performance
HM	UNKAV	161 (163)	3.0	- / 3.9	R	3000	-	185	2.0	RNAV 1

REMARKS

(1) **For LNAV only**
(2) **RNAV system with holding functionality**
(3) **RNAV system without holding functionality**
(4) **3000 FT ATC Discretion**

Waypoints Table formatted according ARINC 424 standards

Waypoint	Latitude	Longitude
PX701	N45253229	E010555556

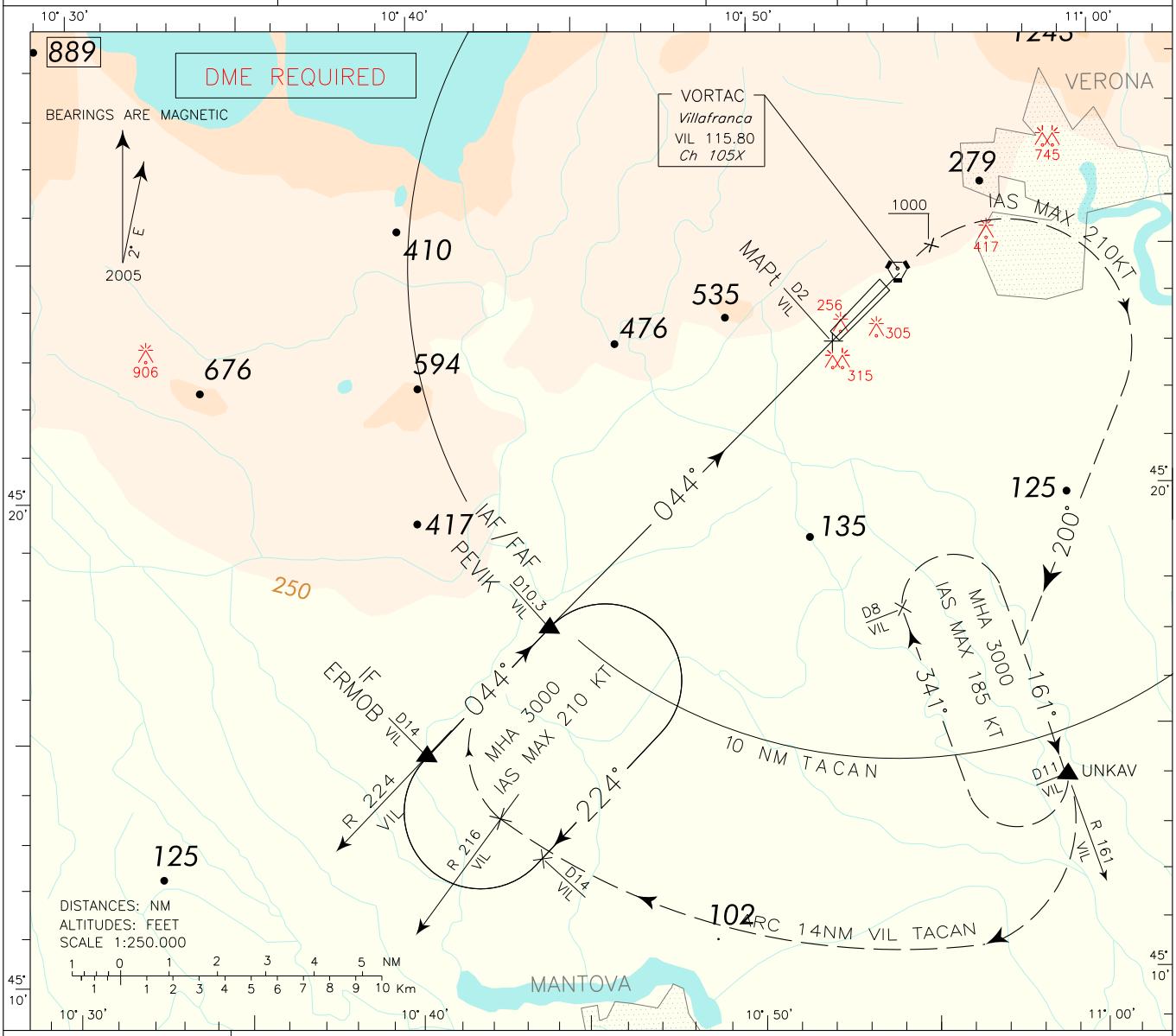
Intenzionalmente bianca

Intentionally left blank

DOC.8168–ED.6–2014

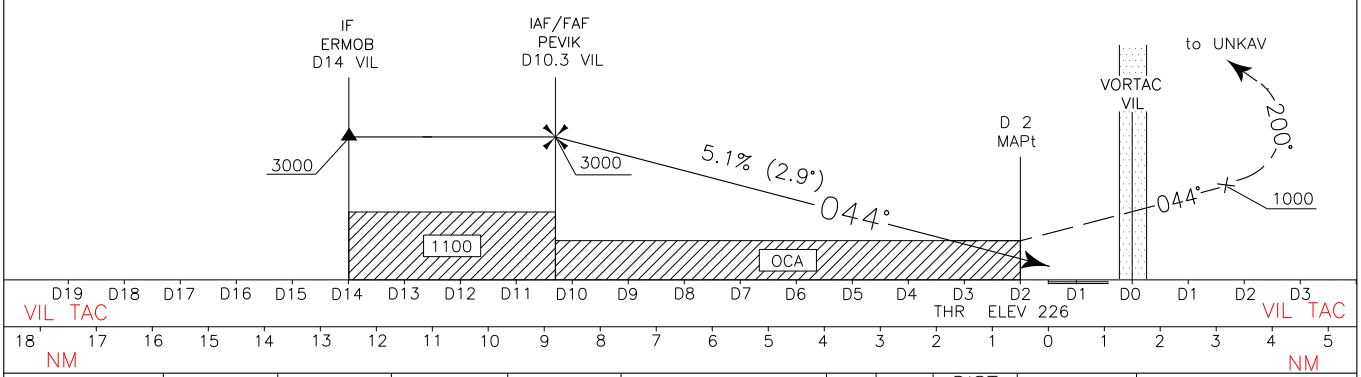
NEW TEMPORARY PROCEDURE FOR PHASE 1

APP Verona APP/Radar TWR Villafranca TWR	135.900 124.250 118.550 118.650	AD ELEV 240	LIPX VERONA/VILLAFRANCA VOR RWY 04



TRANSITION ALT 6000

MISSED APPROACH: Maintaining final TR 044° climb to 3000 ft. Passing VIL VORTAC or 1000ft, whichever is later, turn right TR 200° (IAS MAX 210KT) to join RDL 161 VIL VOR bound to UNKAV missed approach holding pattern. Hold on RDL 161 VIL VOR at 3000 ft between 11 NM and 8 NM VIL TACAN; Inbound TR 161°; right turns; IAS MAX 185KT.



OCA (OCH)		A	B	C	D
STRAIGHT IN APPROACH	VOR	820 (594)			
CIRCLING (1)		830 (590)		950 (710)	1100 (860)

(1) REMARK: Circling allowed South East of the RWY only.

GS	FT PER MIN	DIST VIL TACAN	ALT (HGT)
80	415	10.3 NM	3000 (2774)
100	515	9 NM	2600 (2374)
120	620	8 NM	2290 (2064)
140	725	7 NM	1980 (1754)
160	825	6 NM	1670 (1444)
180	930	5 NM	1360 (1134)
		4 NM	1050 (824)
		3 NM	740 (514)

MNM SECT ALT
VIL VORTAC
9500
090 270
2800

DOC8168–ED.6–2014

NEW TEMPORARY INITIAL CLIMB PROCEDURES AND SID FOR PHASE 1

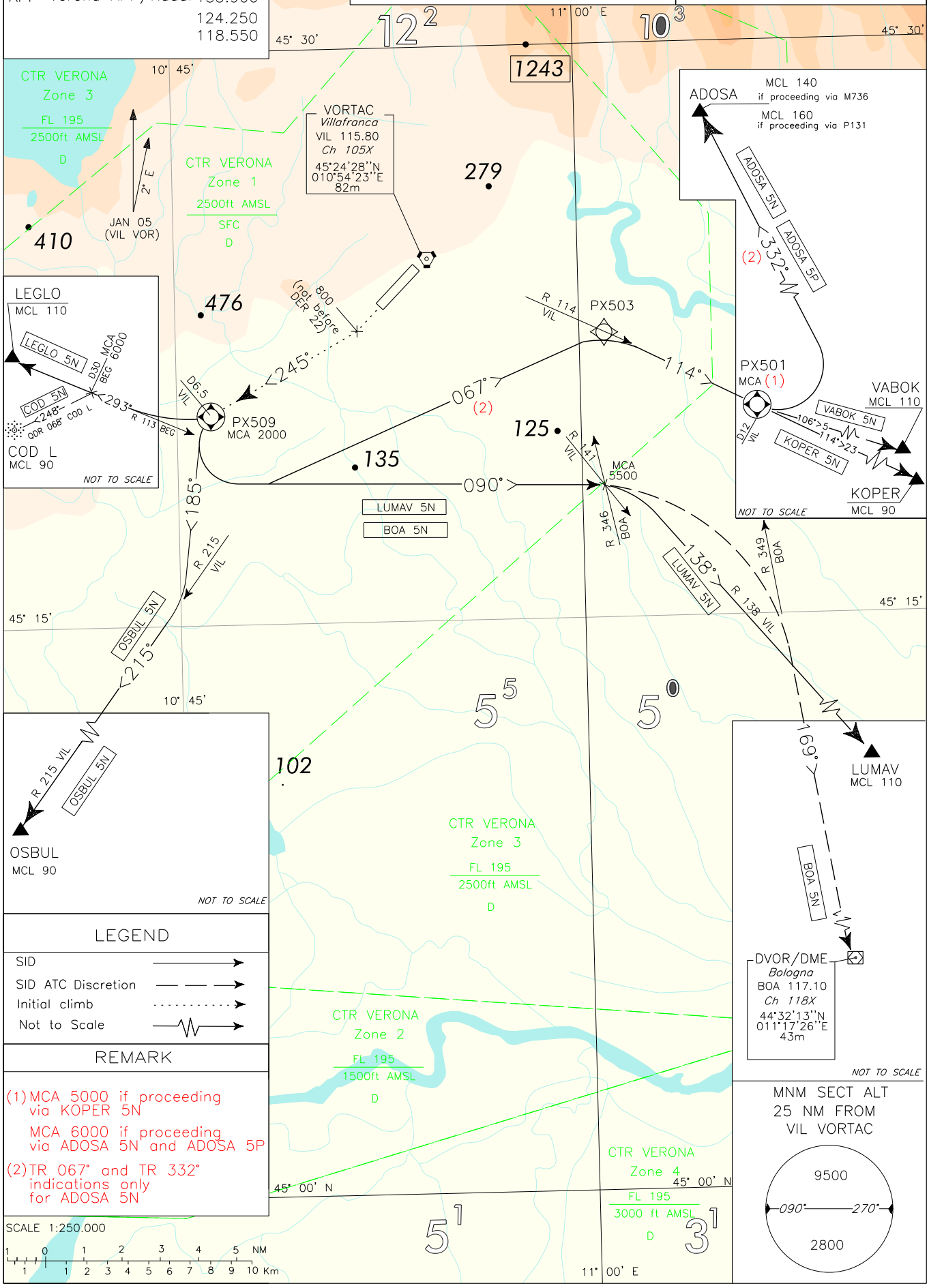
Initial Climb Procedures & SID RWY 22

VERONA/VILLAFRANCA

TRANSITION ALT 6000

FREQUENCIES

TWR	Villafranca TWR	118.650
APP	Verona APP/Radar	135.900
		124.250
		118.550



LEGEND

SID	→
SID ATC Discretion	— — →
Initial climb	· · · · · · →
Not to Scale	⟋⟋ →

REMARK

(1) MCA 5000 if proceeding via KOPER 5N
MCA 6000 if proceeding via ADOSA 5N and ADOSA 5P

(2) TR 067° and TR 332° indications only for ADOSA 5N

INITIAL CLIMB PROCEDURES RWY22 – PHASE 1

After take-off proceed runway heading and passing 800 ft turn right (not before DER 22) on track 245° until 6.5 NM VIL TACAN, to be crossed at 2000 ft or above, then turn left/right to join the assigned SID.

Minimum climb gradient: 400 ft/NM (6.5%) until passing FL 85 due to obstacles and ATC reasons.

REMARKS

a) All turns after take-off shall be performed according to the following parameters:
- IAS MAX 250 kt and bank angle 20°, or
- rate of turn 1.3°/sec

b) Initial climb gradients do not take into account "close-in" obstacles lower than 60 m (200 ft), MOC included, above DER elevation.

SID DESCRIPTION – PHASE 1

Initial climb procedure executed:

ADOSA 5N
Turn left on TR 067° until joining RDL 114 VIL VOR (TR114°) until RDL114/12 NM VIL VORTAC, then turn left on TR 332° bound to ADOSA.

MCA/MCL: RDL114/12 NM VIL VORTAC: 6000 FT; ADOSA (1)
(1) FL 140 or FL160 according to the next route segment

ADOSA 5P

Path Terminator	Waypoint Name	Fly-Over	Track °Mag	Turn Direction	Altitude Constraint	Speed Limit (IAS)	Recommended Navaid	Bearing/ Range to Navaid	Navigation Performance
FA	DER22		-	-	+800	-	-	-	RNAV 1
CF	PX509	Y	245°	-	+2000	250	VIL VORTAC	RDL 233/D7	RNAV 1
DF	PX503	-	-	L	-	-	-	-	RNAV 1
TF	PX501	Y	114°	-	+6000	250	VIL VORTAC	RDL114/D12	RNAV 1
DF	ADOSA	-	-	L	(1)	-	-	-	RNAV 1

(1) FL 140 or FL160 according to the next route segment

BOA 5N (ATC discretion)
Turn left on TR 090°, then crossing RDL 141 VIL VOR (RDL 346 BOA VOR) turn right until joining RDL 349 BOA VOR (TR 169°) bound to BOA VOR/DME.

MCA: INT TR 090°/RDL 141 VIL VOR (RDL 346 BOA VOR) 5500 FT

COD 5N (ATC discretion)
Turn right to joining RDL 113 BEG VOR (TR 293°) until 30NM BEG DME, then turn left on TR 248° to joining QDR 068° COD L.

MCA/MCL: RDL113/30 NM BEG VOR/DME: 6000 FT; COD: FL 90

KOPER 5N
Turn left on TR 067° until joining RDL 114 VIL VOR bound to KOPER.

MCA/MCL: RDL114/12 NM VIL VORTAC: 5000 FT; KOPER FL 90

LEGLO 5N
Turn right until joining RDL 113 BEG VOR bound to LEGLO.

MCA/MCL: RDL113/30 NM BEG VOR DME: 6000 FT; LEGLO FL 110

LUMAV 5N
Turn left on TR 090° until joining RDL 138 VIL VOR bound to LUMAV.

MCA/MCL: INT TR 090°/RDL 141 VIL VOR, 5500 FT; LUMAV, FL 110

OSBUL 5N
Turn left on TR 185° until joining RDL 215 VIL VOR (TR 215°) bound to OSBUL.

MCL: OSBUL FL 90

VABOK 5N (ATC discretion)
Turn left on TR 067° to join RDL 114 VIL VOR (TR114°) until RDL114/12 NM VIL VORTAC, then turn left on TR 106° bound to VABOK.

MCL: VABOK FL 110

Waypoints table formatted according ARINC 424 standards

Waypoint	Latitude	Longitude
DER22	N45232536	E010525083
PX501	N45191367	E011094171
PX503	N45200947	E011065943
PX509	N45204582	E010465071

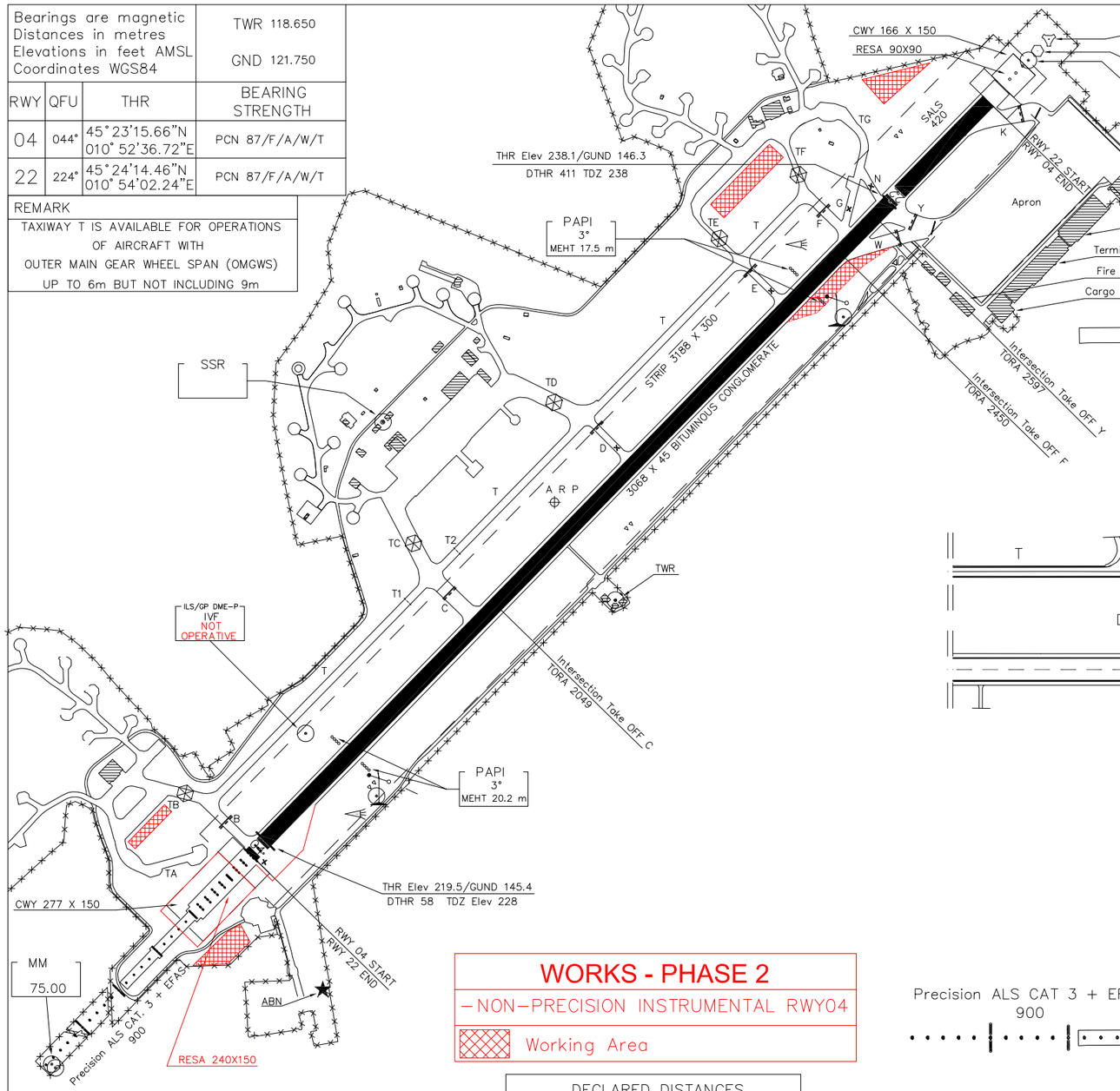
Bearings are magnetic Distances in metres Elevations in feet AMSL Coordinates WGS84			TWR 118.650 GND 121.750
RWY	QFU	THR	BEARING STRENGTH
04	044°	45°23'15.66"N 010°52'36.72"E	PCN 87/F/A/W/T
22	224°	45°24'14.46"N 010°54'02.24"E	PCN 87/F/A/W/T

REMARK

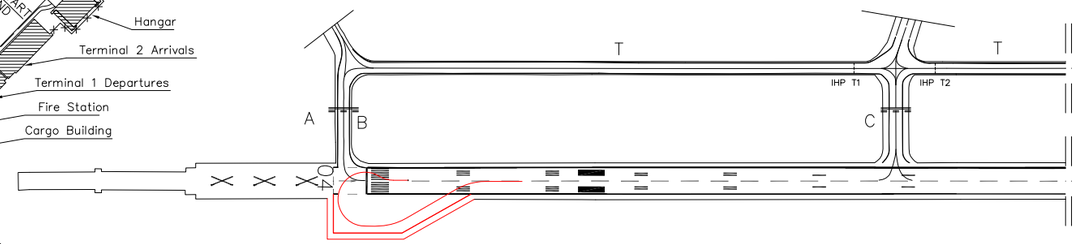
TAXIWAY T IS AVAILABLE FOR OPERATIONS OF AIRCRAFT WITH OUTER MAIN GEAR WHEEL SPAN (OMGWS) UP TO 6m BUT NOT INCLUDING 9m

AD ELEV 240	VERONA / VILLAFRANCA	
APRON ELEV 232	L I P X	45°23'47"N 010°53'16"E

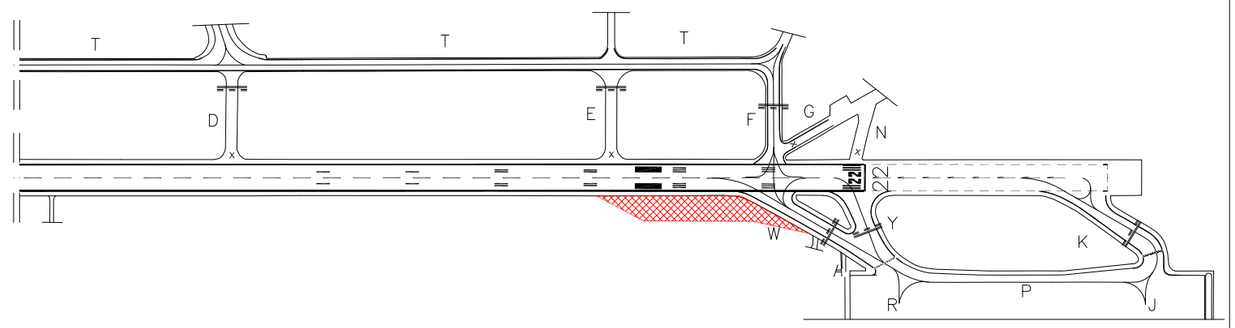
CHANGE: WIP PHASE 2



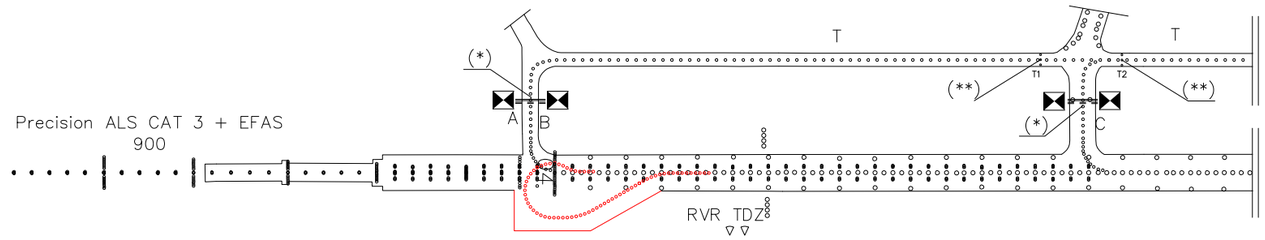
MARKING AIDS (Not to scale)



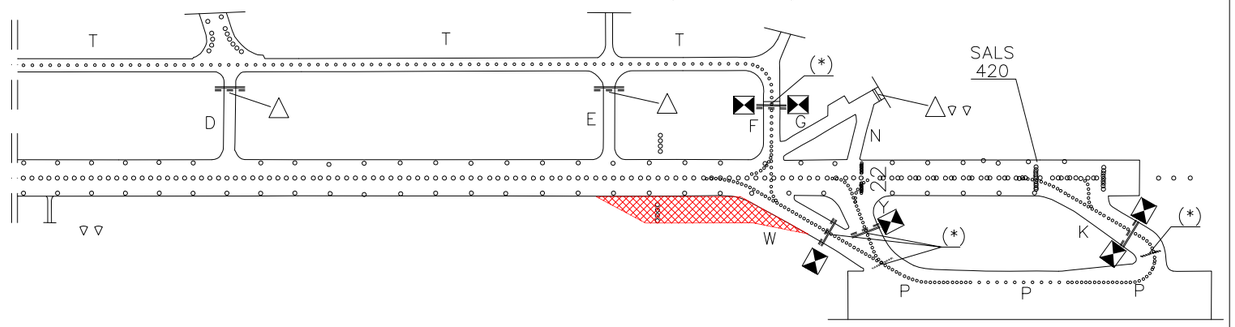
MARKING AIDS (Not to scale)



LIGHTING AIDS (Not to scale)



LIGHTING AIDS (Not to scale)



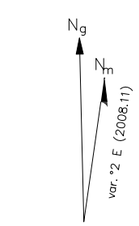
WORKS - PHASE 2

– NON–PRECISION INSTRUMENTAL RWY04

Working Area

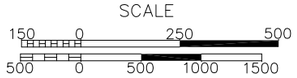
DECLARED DISTANCES				
RWY	TORA	TODA	ASDA	LDA
04	3068	3234	3068	3010
04 INT TAKE-OFF C	2049	2215	2049	---
22	3068	3345	3068	2657
22 INT TAKE-OFF F	2450	2727	2450	---
22 INT TAKE-OFF Y	2597	2874	2597	---

IDENT	WIDTH	SURFACE	BEARING STRENGTH
B	15	Asphalt	PCN73/F/A/W/T
C	23	Asphalt	PCN81/F/A/W/U
D	NIL	Asphalt	PCN87/F/A/W/T
E	NIL	Asphalt	PCN81/F/A/W/T
F	18	Concrete	PCN53/F/B/W/T
G	NIL	Asphalt Concrete	NIL
K	28	Asphalt	PCN90/F/A/W/T
N	NIL	Asphalt Concrete	NIL
T	15	Asphalt	PCN73/F/A/W/T
W	23	Asphalt	PCN90/F/A/W/T
Y	30	Asphalt	PCN100/F/A/W/T



(Annual rate of change: 6' E)

SCALE



(*) STOP BAR

(**) IHP

△ RED FIXED LIGHT

⊛ : Not usable by Civil Aircraft

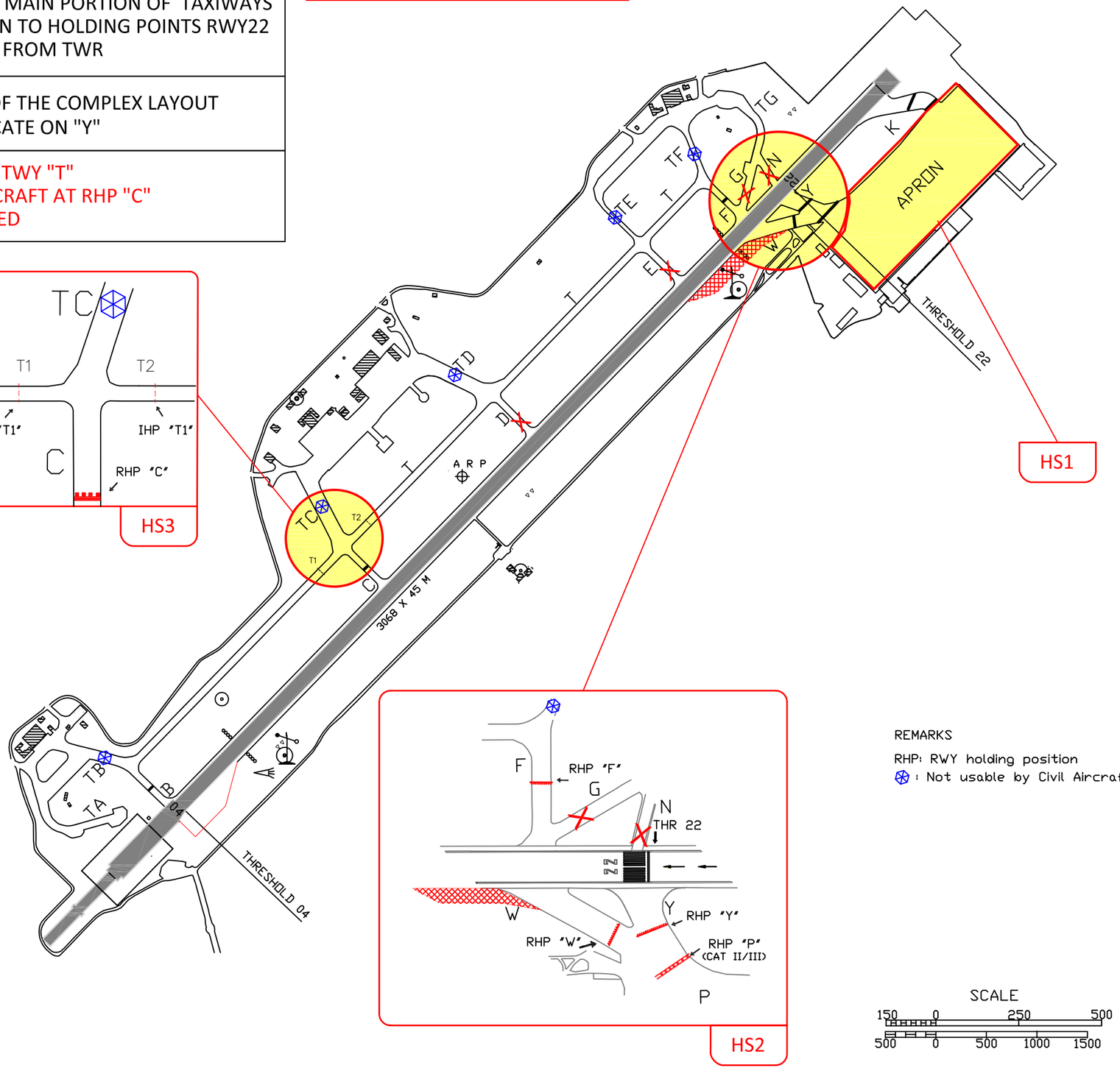
ATC SERVICES	
TWR 118.650	GND 121.750

AD ELEV 240	VERONA / VILLAFRANCA	
APRON ELEV 232	L I P X	45°23′ 47″N 010° 53′ 16″E

HOT SPOT	DESCRIPTION
HS1	APRON AND MAIN PORTION OF TAXIWAYS FROM APRON TO HOLDING POINTS RWY22 NOT VISIBLE FROM TWR
HS2	BE AWARE OF THE COMPLEX LAYOUT DO NOT VACATE ON "Y"
HS3	TAXIING ON TWY "T" BEHIND AIRCRAFT AT RHP "C" NOT ALLOWED

WORKS - PHASE 2

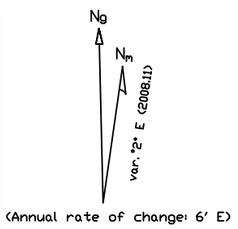
Working Area



REMARKS

RHP: RWY holding position

⊛ : Not usable by Civil Aircraft



(Annual rate of change: 6′ E)

SCALE

150 0 250 500 Metres

500 0 500 1000 1500 Feet

CHANGE: WIP PHASE 2

ATC SERVICES	
TWR 118.650	GND 121.750

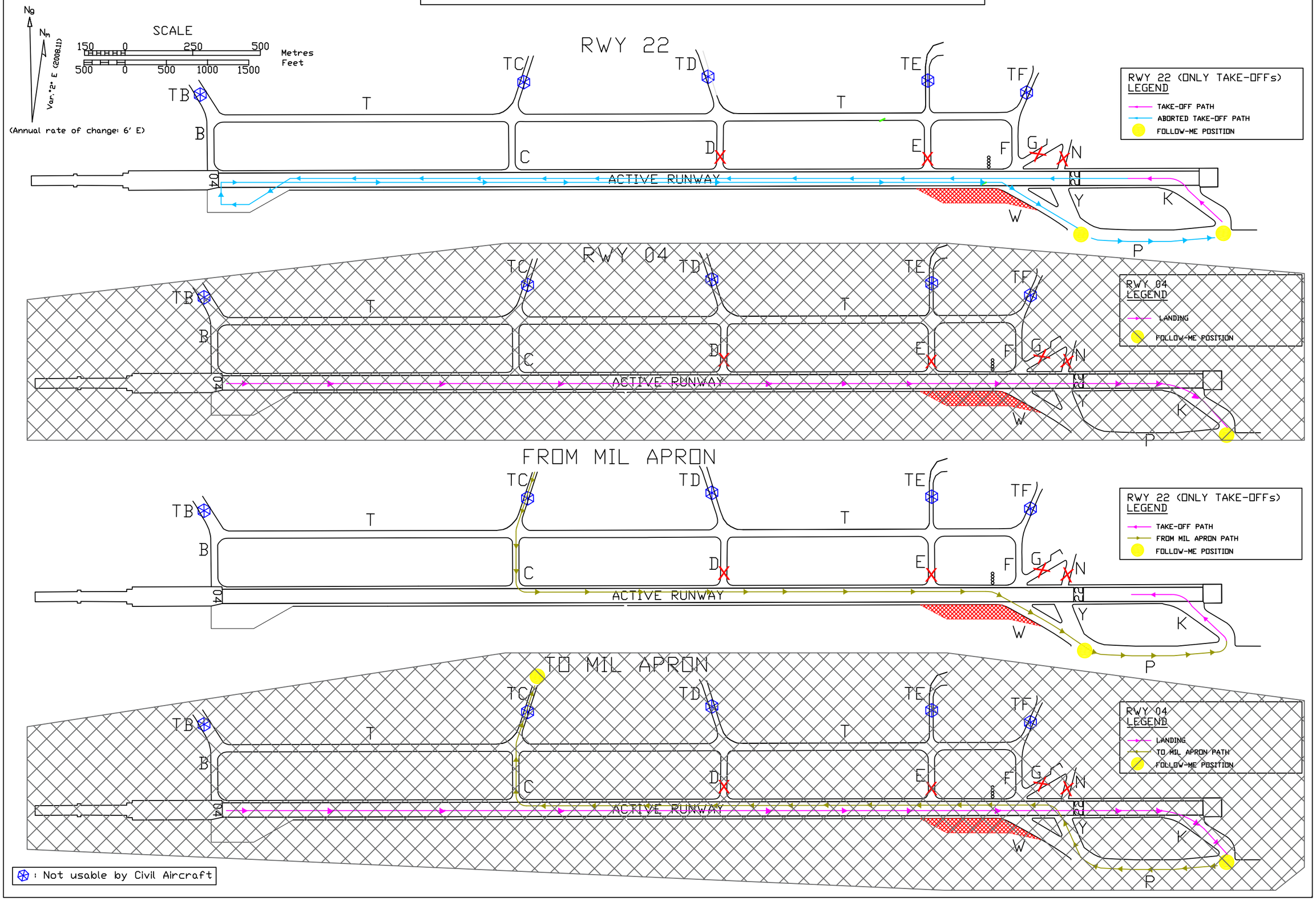
WORKS - PHASE 2

Working Area | Not Possible

WARNING : DIFFERENT ROUTINGS COULD BE AUTHORIZED AT ATC DESCRETION

AD ELEV 240	VERONA / VILLAFRANCA	
APRON ELEV 232	L I P X	45° 23′ 47″N 010° 53′ 16″E

CHANGE: WIP PHASE 2



Dimensioni ed altitudini in metri
Dimensions and elevations in metres

CARTA DEGLI OSTACOLI DI AERODROMO TIPO A OACI – Limitazioni Operative
AERODROME OBSTACLE CHART ICAO TYPE A – Operating Limitations

ITALY – VERONA/VILLAFRANCA

RWY 04/22

CHANGE: WORKS – PHASE 2

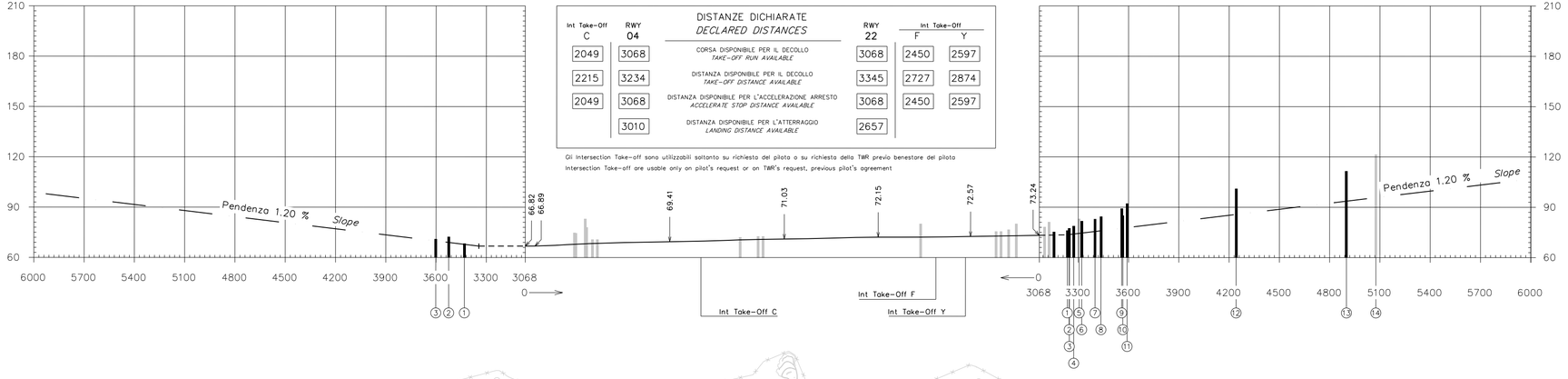
Declinazione magnetica:
Magnetic variation: 2° E 2005.0

Italian Magnetic model 2005

Annual rate of change: 6' E

CONSULTARE I NOTAM PER LE ULTIME INFORMAZIONI
CONSULT NOTAM FOR LATEST INFORMATION

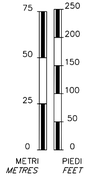
LEGENDA *LEGEND*	PIANTA *PLAN*	PROFILO *PROFILE*
Numero di identificazione *Identification number*	1	1
Profilo ostacoli situati nell'area di decollo *Obstructions within the take-off flight path area*		
Profilo ostacoli situati fuori dell'area di decollo *Obstructions beyond the take-off flight path area*		
Altitudine dell'ostacolo ed altezza dell'antenna se esistente *Obstacle altitude and antenna height if available*	56+1.5	
Edificio o costruzione importante *Building or large structure*		
Palo, torre, campanile, antenna, ciminiera *Pole, tower, spire, antenna, chimney*		
Traliccio *Lattice*		
Gru *Crane*		
Albero o arbusto – Gruppo di alberi *Tree or shrub – Wooded areas*		
Centro abitato *Built-up area*		
Ferrovia (uno o due binari) *Railroad (one or more tracks)*		
Linea trasporto energia elettrica – cavo sospeso *Transmission line – Overhead cable*		
Recinzione *Fence*		
Terreno sporgente dal piano ostacoli *Terrain penetrating obstruction plane*		

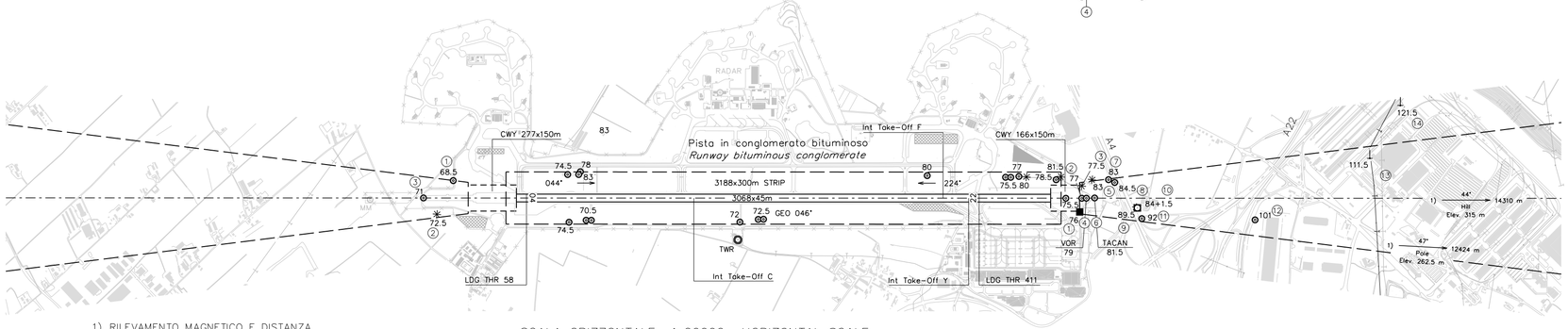


Int Take-Off C	RWY 04	DISTANZE DICHIARATE *DECLARED DISTANCES*	RWY 22	Int Take-Off F	Int Take-Off Y
2049	3068	CORSA DISPONIBILE PER IL DECOLLO *TAKE-OFF RUN AVAILABLE*	3068	2450	2597
2215	3234	DISTANZA DISPONIBILE PER IL DECOLLO *TAKE-OFF DISTANCE AVAILABLE*	3345	2727	2874
2049	3068	DISTANZA DISPONIBILE PER L'ACCELERAZIONE ARRESTO *ACCELERATE STOP DISTANCE AVAILABLE*	3068	2450	2597
	3010	DISTANZA DISPONIBILE PER L'ATTERRAGGIO *LANDING DISTANCE AVAILABLE*	2657		

Gli Intersection Take-off sono utilizzabili soltanto su richiesta del pilota o su richiesta della TWR previo benestare del pilota
Intersection Take-off are usable only on pilot's request or on TWR's request, previous pilot's agreement

SCALA VERTICALE
VERTICAL SCALE
1:2000

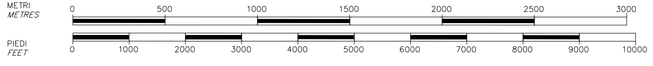




1) RILEVAMENTO MAGNETICO E DISTANZA CALCOLATI DAL FINE PISTA 22

1) MAGNETIC BEARING AND DISTANCE COMPUTED FROM RWY END 22

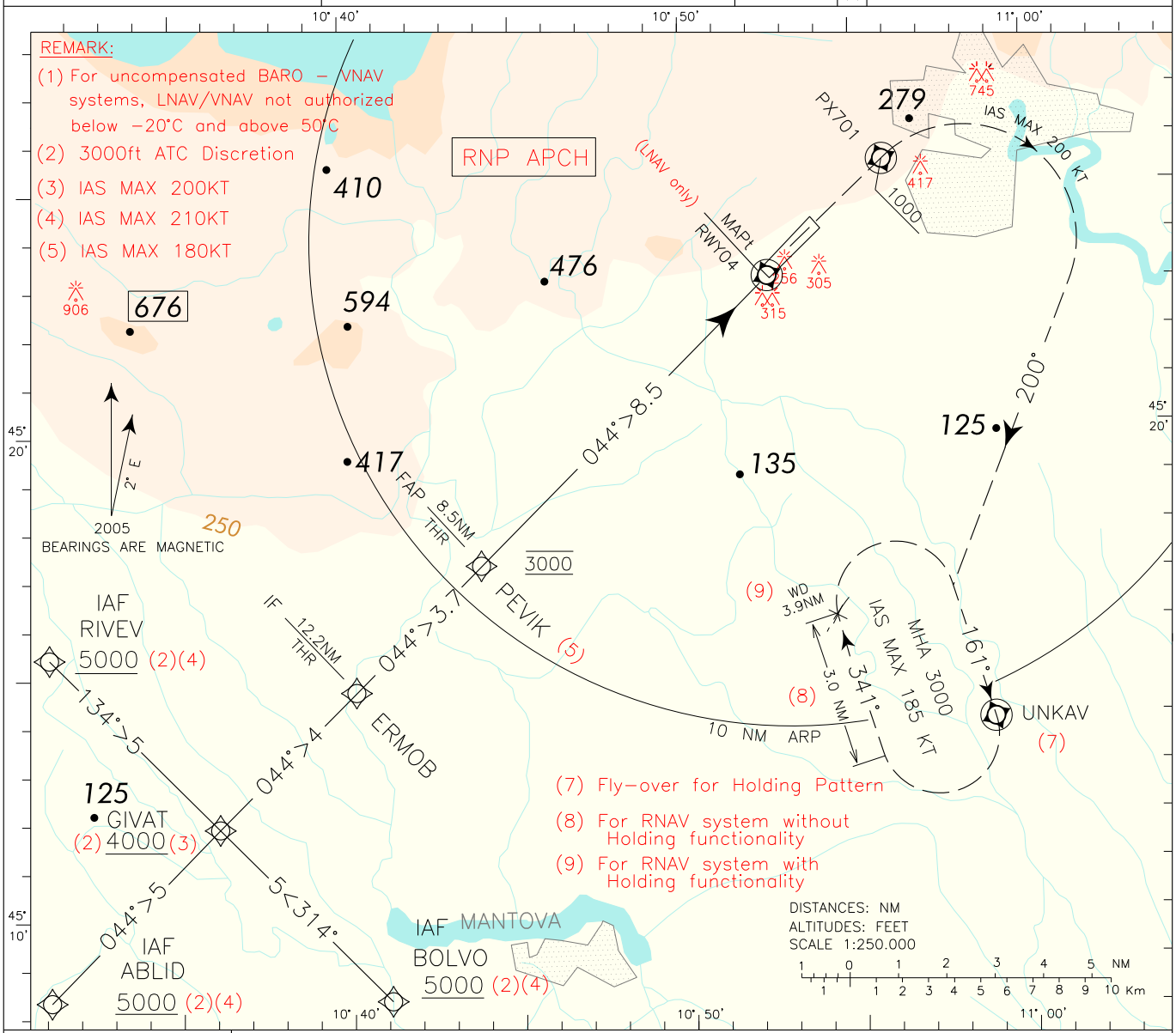
SCALA ORIZZONTALE 1:20000 *HORIZONTAL SCALE*



Le precisioni della carta sono quelle descritte nell'Annesso 4 ICAO, Capitolo 3.9
Accuracies on the chart are specified in ICAO Annex 4, Chapter 3.9

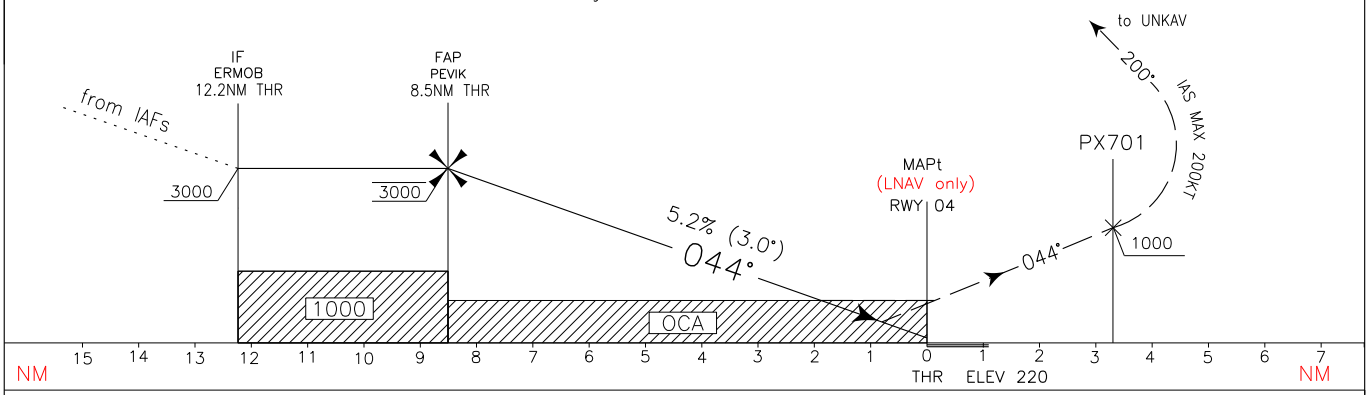
VARIANTI *AMENDMENT RECORD*		
N.	DATA *DATE*	REGISTRATO DA *ENTERED BY*

APP Verona APP/Radar TWR Villafranca TWR	135.900 124.250 118.550 118.650	AD ELEV 240	LIPX VERONA/VILLAFRANCA RNAV (GNSS) RWY 04



TRANSITION ALT 6000

MISSED APPROACH: Maintaining final TR 044°, climb to 3000 ft. At PX701 (D1.5 after VIL TACAN, at 1000 ft or above) turn right on TR 200° to join and follow TR 161° bound to UNKAV missed approach holding pattern. Hold at 3000 ft, inbound TR 161°, right turns, IAS MAX 185 kt.

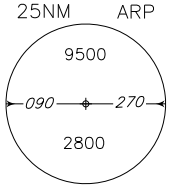


OCA (OCH)		A	B	C	D
STRAIGHT IN APPROACH	LNAV/VNAV	570 (350)	580 (360)	590 (370)	600 (380)
	LNAV	650 (430)			
CIRCLING (6)		800 (560)		950 (710)	1100 (860)

(6) REMARK: Circling allowed South-East of the RWY only.

GS	FT PER MIN	DIST THR 04	ALT (HGT)
80	425	7 NM	2500 (2280)
100	530	6 NM	2180 (1960)
120	635	5 NM	1865 (1645)
140	745	4 NM	1545 (1325)
160	850	3 NM	1225 (1005)
180	955	2 NM	905 (685)

MNM SECT ALT
25NM ARP



DOC.8168–ED.6–2014 AMDT 7

TEMPORARY PROCEDURE FOR PHASE 2

RNAV (GNSS) RWY04 – Instrument Approach Procedure via ABLID

Path Terminator	Waypoint identifier	Flyover	Course/Track °M (°T)	Turn Direction	Altitude Constraint (ft)	Speed Limit (kt)/Bank Angle	Recommended Navaid	Bearing/ Range from Navaid	Distance from THR (NM)	Remarks
IF	ABLID	-	-	-	+5000 (4)	210	-	-	21.2	-
TF	GIVAT	-	044 (045.1)	-	+4000 (4)	200	-	-	16.2	-
TF	ERMOB	-	044 (045.9)	-	+3000	-	-	-	12.2	-
TF	PEVIK	-	044 (045.6)	-	@3000	180	-	-	8.5	-
TF	THR 04	Y	044 (045.6)	-	-	-	-	-	-	MAPt (1)
TF	PX701	Y	044 (045.7)	-	+1000	200	-	-	-	-
VI	-	-	200 (202.0)	-	-	-	-	-	-	-
CF	UNKAV	-	161 (163.1)	-	+3000	-185	-	-	-	-
HM	UNKAV	Y	161 (163.1)	R	+3000	-185	-	-	-	-

RNAV (GNSS) RWY04 – Instrument Approach Procedure via BOLVO

Path Terminator	Waypoint identifier	Flyover	Course/Track °M (°T)	Turn Direction	Altitude Constraint (ft)	Speed Limit (kt)/Bank Angle	Recommended Navaid	Bearing/ Range from Navaid	Distance from THR (NM)	Remarks
IF	BOLVO	-	-	-	+5000 (4)	210	-	-	-	-
TF	GIVAT	-	314 (315.9)	-	+4000 (4)	200	-	-	16.2	-
TF	ERMOB	-	044 (045.9)	-	+3000	-	-	-	12.2	-
TF	PEVIK	-	044 (045.6)	-	@3000	180	-	-	8.5	-
TF	THR 04	Y	044 (045.6)	-	-	-	-	-	-	MAPt (1)
TF	PX701	Y	044 (045.7)	-	+1000	200	-	-	-	-
VI	-	-	200 (202.0)	-	-	-	-	-	-	-
CF	UNKAV	-	161 (163.1)	-	+3000	-185	-	-	-	-
HM	UNKAV	Y	161 (163.1)	R	+3000	-185	-	-	-	-

RNAV (GNSS) RWY04 – Instrument Approach Procedure via RIVEV

Path Terminator	Waypoint identifier	Flyover	Course/Track °M (°T)	Turn Direction	Altitude Constraint (ft)	Speed Limit (kt)/Bank Angle	Recommended Navaid	Bearing/ Range from Navaid	Distance from THR (NM)	Remarks
IF	RIVEV	-	-	-	+5000 (4)	210	-	-	-	-
TF	GIVAT	-	134 (135.7)	-	+4000 (4)	200	-	-	16.2	-
TF	ERMOB	-	044 (045.9)	-	+3000	-	-	-	12.2	-
TF	PEVIK	-	044 (045.6)	-	@3000	180	-	-	8.5	-
TF	THR 04	Y	044 (045.6)	-	-	-	-	-	-	MAPt (1)
TF	PX701	Y	044 (045.7)	-	+1000	200	-	-	-	-
VI	-	-	200 (202.0)	-	-	-	-	-	-	-
CF	UNKAV	-	161 (163.1)	-	+3000	-185	-	-	-	-
HM	UNKAV	Y	161 (163.1)	R	+3000	-185	-	-	-	-

Missed Approach Holding RNAV UNKAV

Path Terminator	Waypoint identifier	Inbound Course °M(°T)	Leg Distance (NM) (2)	Timing(min.)/ Waypoint Distance (NM) (3)	Turn Direction	Minimum Altitude (FT)	Maximum Altitude (FL)	Speed Limit (kt)	Magnetic Variation (°)	Navigation Performance
HM	UNKAV	161 (163)	3.0	- / 3.9	R	3000	-	185	2.0	RNAV 1

REMARKS

(1) **For LNAV only**
(2) **RNAV system with holding functionality**
(3) **RNAV system without holding functionality**
(4) **3000 FT ATC Discretion**

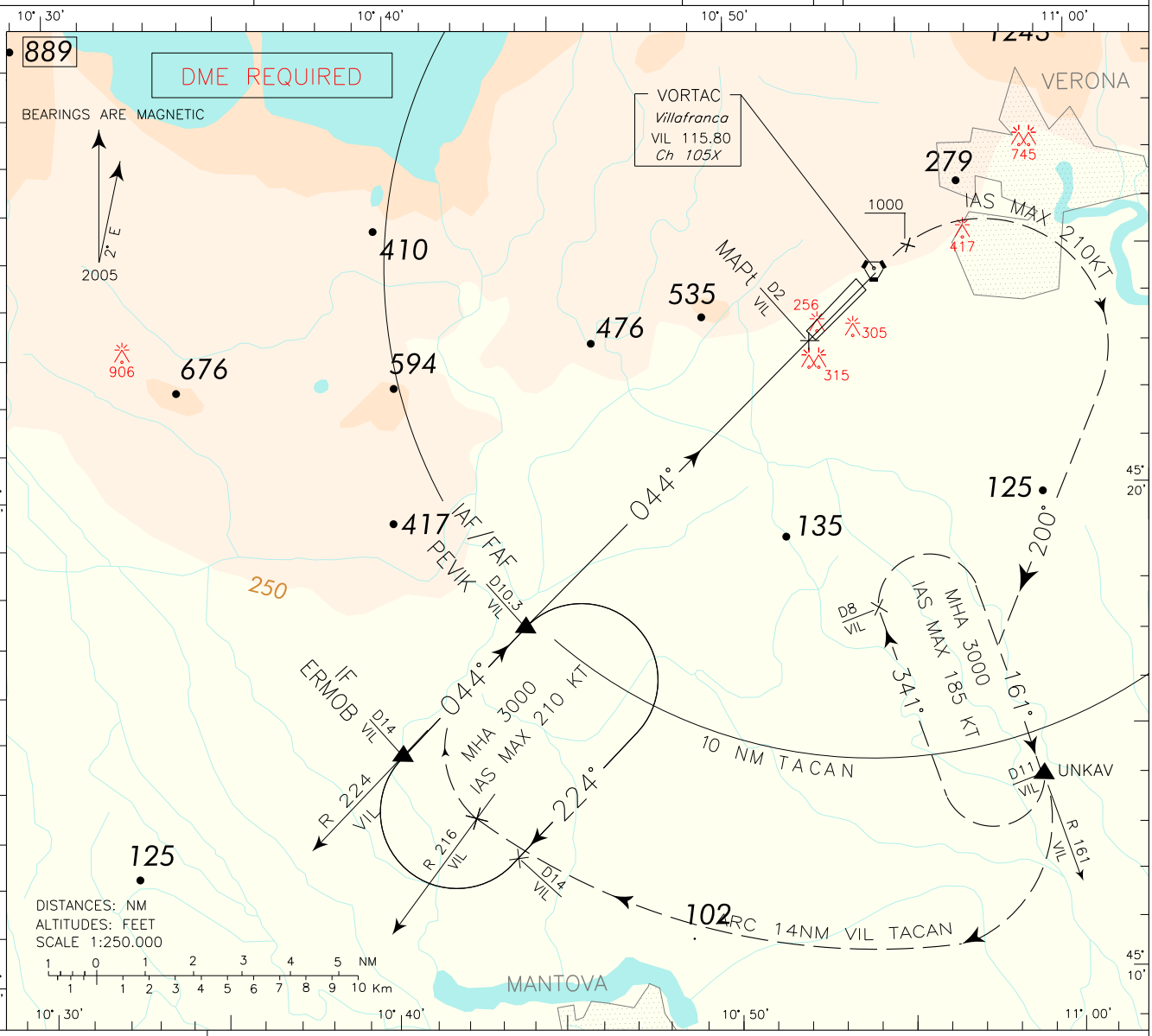
Waypoints Table formatted according ARINC 424 standards

Waypoint	Latitude	Longitude
PX701	N45253229	E010555556

Intenzionalmente bianca

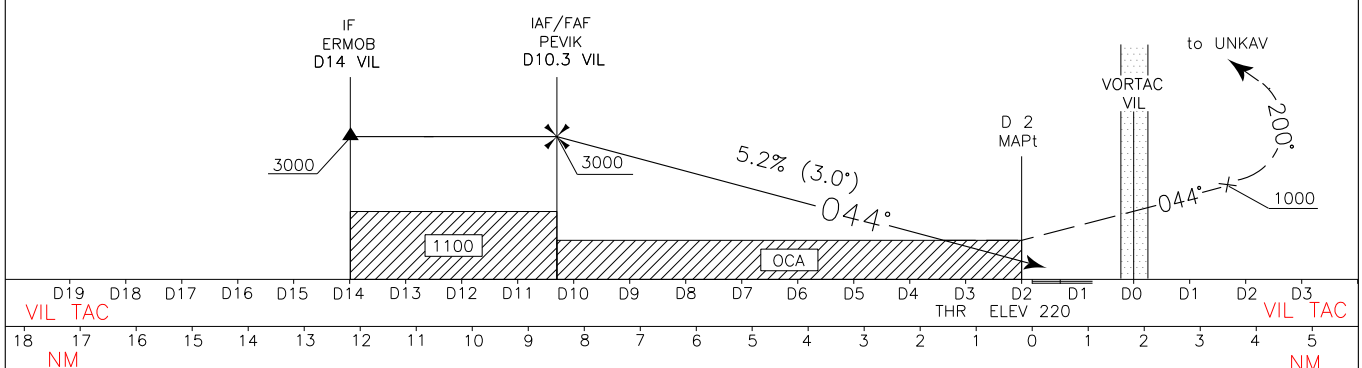
Intentionally left blank

APP Verona APP/Radar TWR Villafranca TWR	135.900 124.250 118.550 118.650	AD ELEV 240	LIPX VERONA/VILLAFRANCA VOR RWY 04



TRANSITION ALT 6000

MISSED APPROACH: Maintaining final TR 044° climb to 3000 ft. Passing VIL VORTAC or 1000ft, whichever is later, turn right TR 200° (IAS MAX 210KT) to join RDL 161 VIL VOR bound to UNKAV missed approach holding pattern. Hold on RDL 161 VIL VOR at 3000 ft between 11 NM and 8 NM VIL TACAN; Inbound TR 161°; right turns; IAS MAX 185KT.

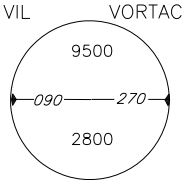


OCA (OCH)	A	B	C	D
STRAIGHT IN APPROACH — VOR	820 (600)			
CIRCLING (1)	830 (590)		950 (710)	1100 (860)

(1) REMARK: Circling allowed South East of the RWY only.

GS	FT PER MIN	DIST VIL TACAN	ALT (HGT)
80	425	10.3 NM	3000 (2780)
100	530	9 NM	2590 (2370)
120	635	8 NM	2270 (2050)
140	745	7 NM	1950 (1730)
160	850	6 NM	1630 (1410)
180	955	5 NM	1310 (1090)
		4 NM	990 (770)
		3 NM	670 (450)

MNM SECT ALT VIL VORTAC



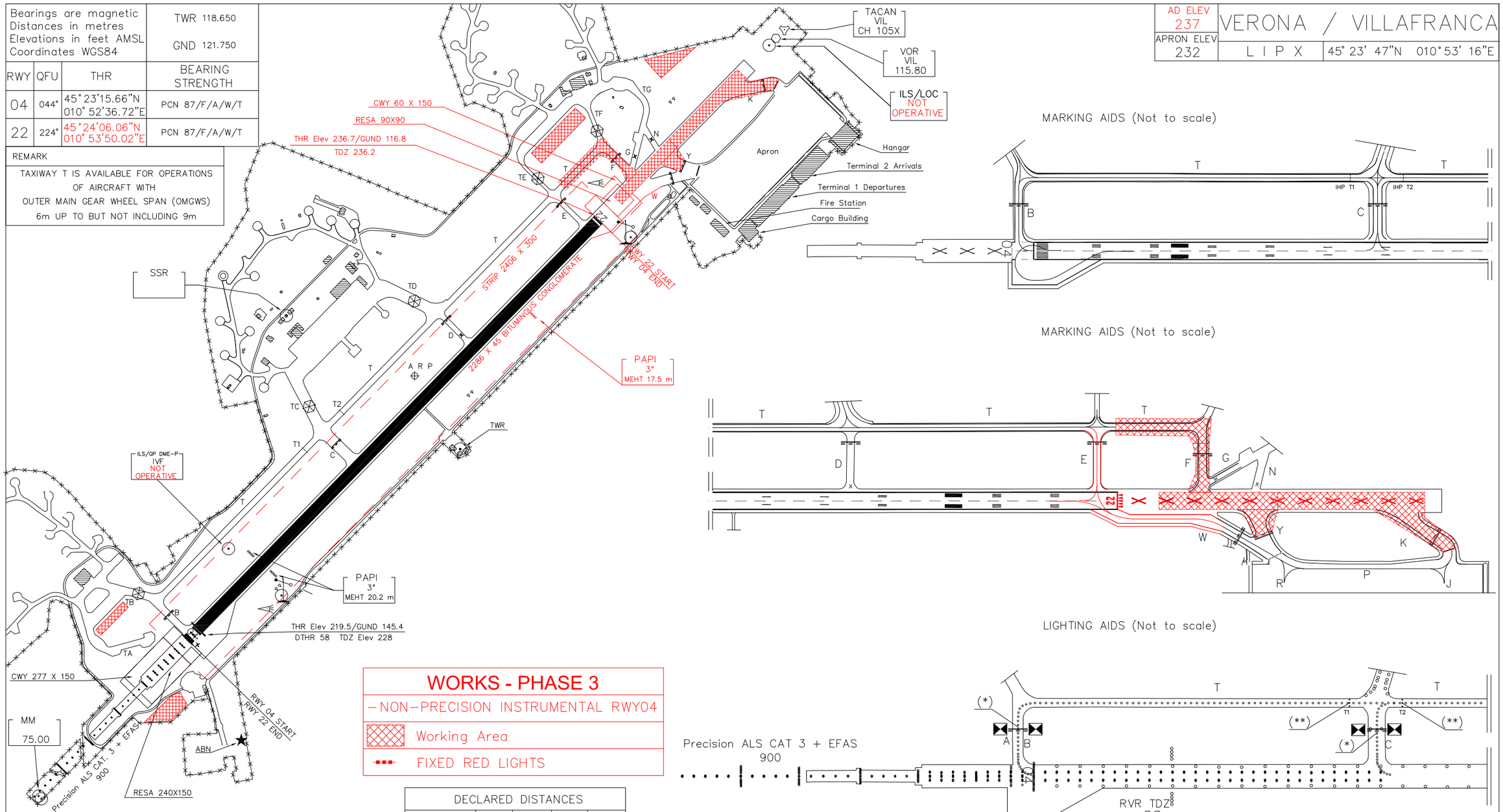
DOC.8168-ED.6-2014
TEMPORARY PROCEDURE FOR PHASE 2

Bearings are magnetic Distances in metres Elevations in feet AMSL Coordinates WGS84			TWR 118.650 GND 121.750
RWY	QFU	THR	BEARING STRENGTH
04	044°	45°23'15.66"N 010°52'36.72"E	PCN 87/F/A/W/T
22	224°	45°24'06.06"N 010°53'50.02"E	PCN 87/F/A/W/T

REMARK

TAXIWAY T IS AVAILABLE FOR OPERATIONS OF AIRCRAFT WITH OUTER MAIN GEAR WHEEL SPAN (OMGWS) 6m UP TO BUT NOT INCLUDING 9m

AD ELEV 237	VERONA / VILLAFRANCA	
APRON ELEV 232	L I P X	45° 23' 47"N 010° 53' 16"E



CHANGE: WIP PHASE 3

IDENT	WIDTH	SURFACE	BEARING STRENGTH
B	15	Asphalt	PCN73/F/A/W/T
C	23	Asphalt	PCN81/F/A/W/U
D	NIL	Asphalt	PCN87/F/A/W/T
E	NIL	Asphalt	PCN81/F/A/W/T
F	18	Concrete	PCN53/F/B/W/T
G	NIL	Asphalt Concrete	NIL
K	28	Asphalt	PCN90/F/A/W/T
N	NIL	Asphalt Concrete	NIL
T	15	Asphalt	PCN73/F/A/W/T
W	23	Asphalt	PCN90/F/A/W/T
Y	30	Asphalt	PCN100/F/B/W/T

N_g N_m var. °2 E (2008.11)

(Annual rate of change: 6' E)

SCALE

150 0 250 500 Metres
500 0 500 1000 1500 Feet

WORKS - PHASE 3

– NON–PRECISION INSTRUMENTAL RWY04

Working Area

FIXED RED LIGHTS

DECLARED DISTANCES				
RWY	TORA	TODA	ASDA	LDA
04	2286	2346	2286	2228
04 INT TAKE-OFF C	NOT AVAILABLE			
22	2286	2563	2286	2286
22 INT TAKE-OFF F	NOT AVAILABLE			
22 INT TAKE-OFF Y	NOT AVAILABLE			

(*) STOP BAR

(**) IHP

△ RED FIXED LIGHT

⊗ : Not usable by Civil Aircraft

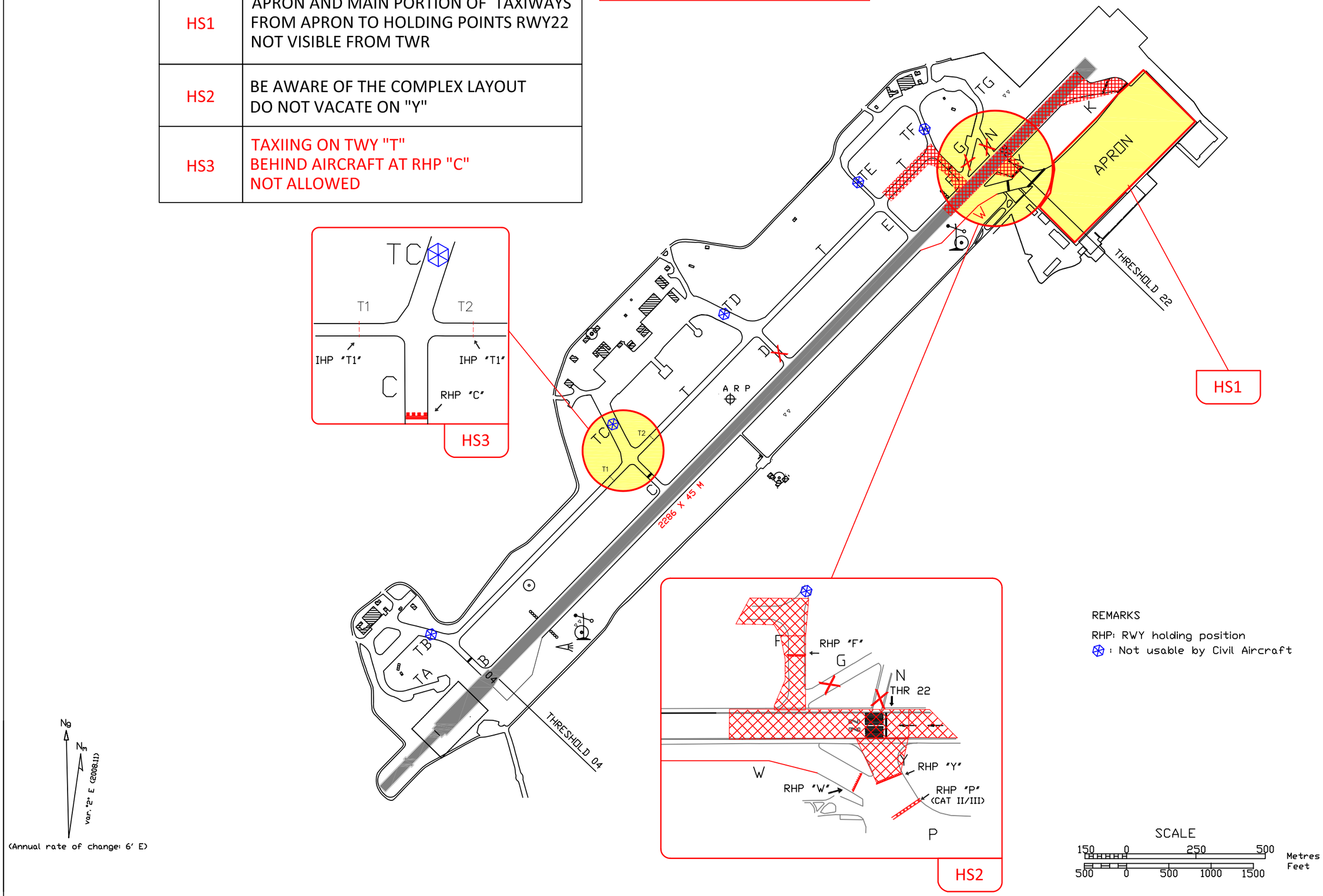
ATC SERVICES	
TWR 118.650	GND 121.750

AD ELEV 237	VERONA / VILLAFRANCA
APRON ELEV 232	L I P X 45°23′ 47″N 010° 53′ 16″E

HOT SPOT	DESCRIPTION
HS1	APRON AND MAIN PORTION OF TAXIWAYS FROM APRON TO HOLDING POINTS RWY22 NOT VISIBLE FROM TWR
HS2	BE AWARE OF THE COMPLEX LAYOUT DO NOT VACATE ON "Y"
HS3	TAXIING ON TWY "T" BEHIND AIRCRAFT AT RHP "C" NOT ALLOWED

WORKS - PHASE 3

Working Area



REMARKS

RHP: RWY holding position

⊛ : Not usable by Civil Aircraft

CHANGE: WIP PHASE 3

ATC SERVICES	
TWR 118.650	GND 121.750

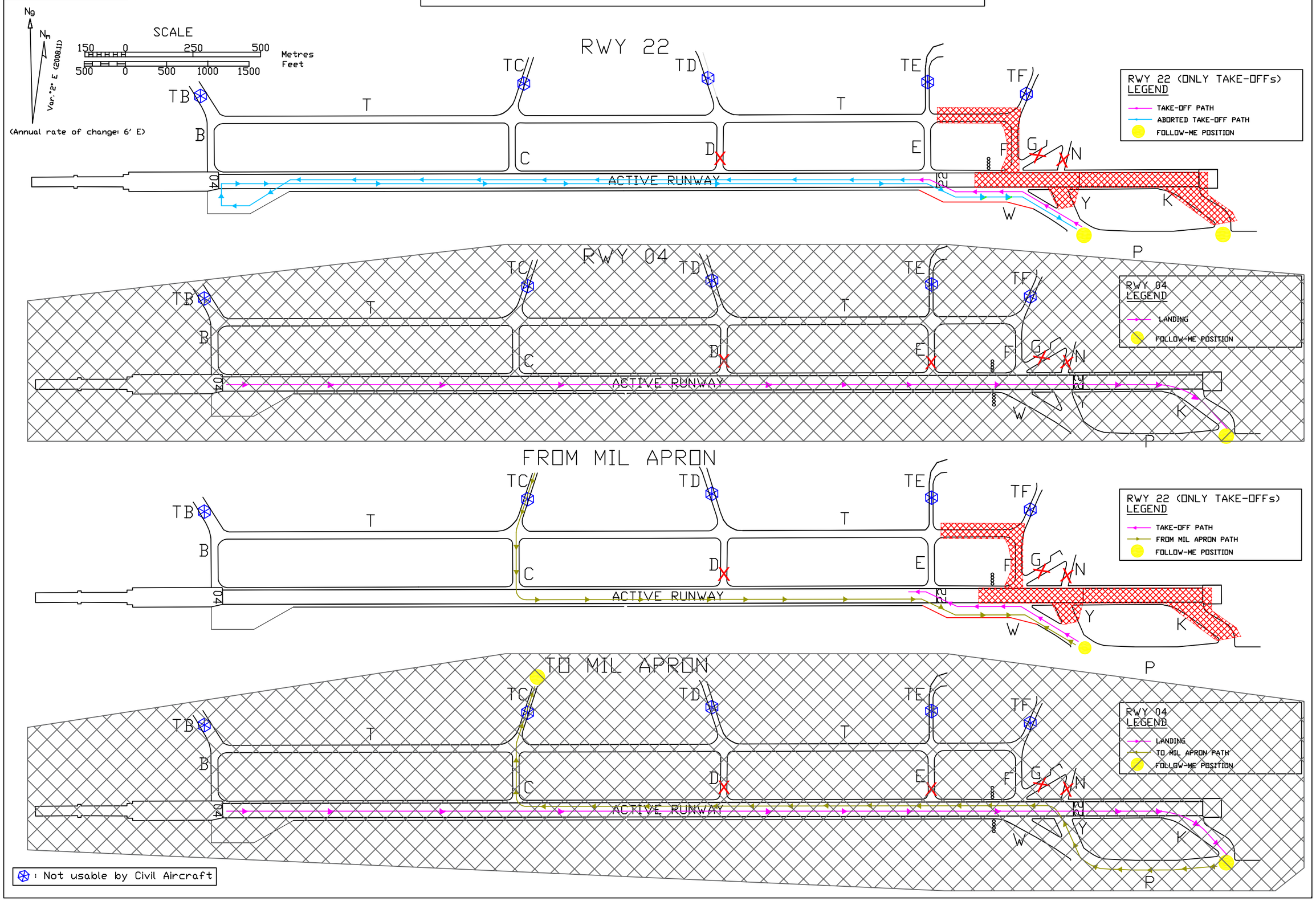
WORKS - PHASE 3

Working Area | Not Possible

WARNING : DIFFERENT ROUTINGS COULD BE AUTHORIZED AT ATC DESCRETION

AD ELEV 237	VERONA / VILLAFRANCA	
APRON ELEV 232	L I P X	45° 23′ 47″N 010° 53′ 16″E

CHANGE: WIP PHASE 3



AIRCRAFT PARKING DOCKING CHART–ICAO

Bearings are magnetic Distances in metres Elevation in ft AMSL Coordinates WGS84	TWR 118.650 GND 121.750	AD ELEV 237 APRON ELEV 232	**VERONA / VILLAFRANCA** L I P X 45°23'47" N 010°53'16" E

APRON	
Lighting	Bearing strength
	PCN 77/R/B/W/T

POINTS ON PARKING AREA

STANDS	N	E
11	45°24'09.17"	010°54'08.79"
12	45°24'09.30"	010°54'08.81"
13	45°24'08.35"	010°54'10.06"
14	45°24'07.41"	010°54'11.37"
21	45°24'06.07"	010°54'14.62"
22	45°24'06.28"	010°54'15.43"
23	45°24'07.32"	010°54'17.02"
31	45°24'11.36"	010°54'15.29"
32	45°24'12.34"	010°54'16.72"
33	45°24'13.40"	010°54'18.26"
34	45°24'14.47"	010°54'19.81"
35	45°24'15.53"	010°54'21.35"
36	45°24'16.59"	010°54'22.90"
37	45°24'17.65'	010°54'24.44"
41	45°24'08.54"	010°54'18.87"
42	45°24'09.50"	010°54'20.27"
43	45°24'10.54"	010°54'21.79"
44	45°24'11.59"	010°54'23.31"
45	45°24'12.64"	010°54'24.83"
46	45°24'13.68"	010°54'26.35"
47	45°24'14.73"	010°54'27.87"
48	45°24'13.86"	010°54'27.07"

REMARKS
1 – FOR ALL STANDS ENTRY WITH MARSHALLING ASSISTANCE MANDATORY
2 – STAND 11–31–41–51 AVAILABLE FOR ACFT WITH MAX WINGSPAN LESS THAN 29M
3 – AIRCRAFT STAND TAXILANE R AVAILABLE FOR ACFT WITH MAX WINGSPAN 52M
4 – AIRCRAFT STAND TAXILANE J AVAILABLE FOR ACFT WITH MAX WINGSPAN 65M
5 – AIRCRAFT STAND TAXILANE M AVAILABLE FOR ACFT WITH MAX WINGSPAN 36M

POINTS ON PARKING AREA

STANDS	N	E
511	45°24'23.01"	010°54'26.71"
512	45°24'22.27"	010°54'27.73"
51	45°24'22.57"	010°54'26.96"
52	45°24'21.26"	010°54'28.95"
53	45°24'21.99"	010°54'28.62"
54	45°24'20.13"	010°54'30.52"
55	45°24'20.40"	010°54'30.85"
56	45°24'19.01"	010°54'32.08"
57	45°24'18.09"	010°54'33.53"

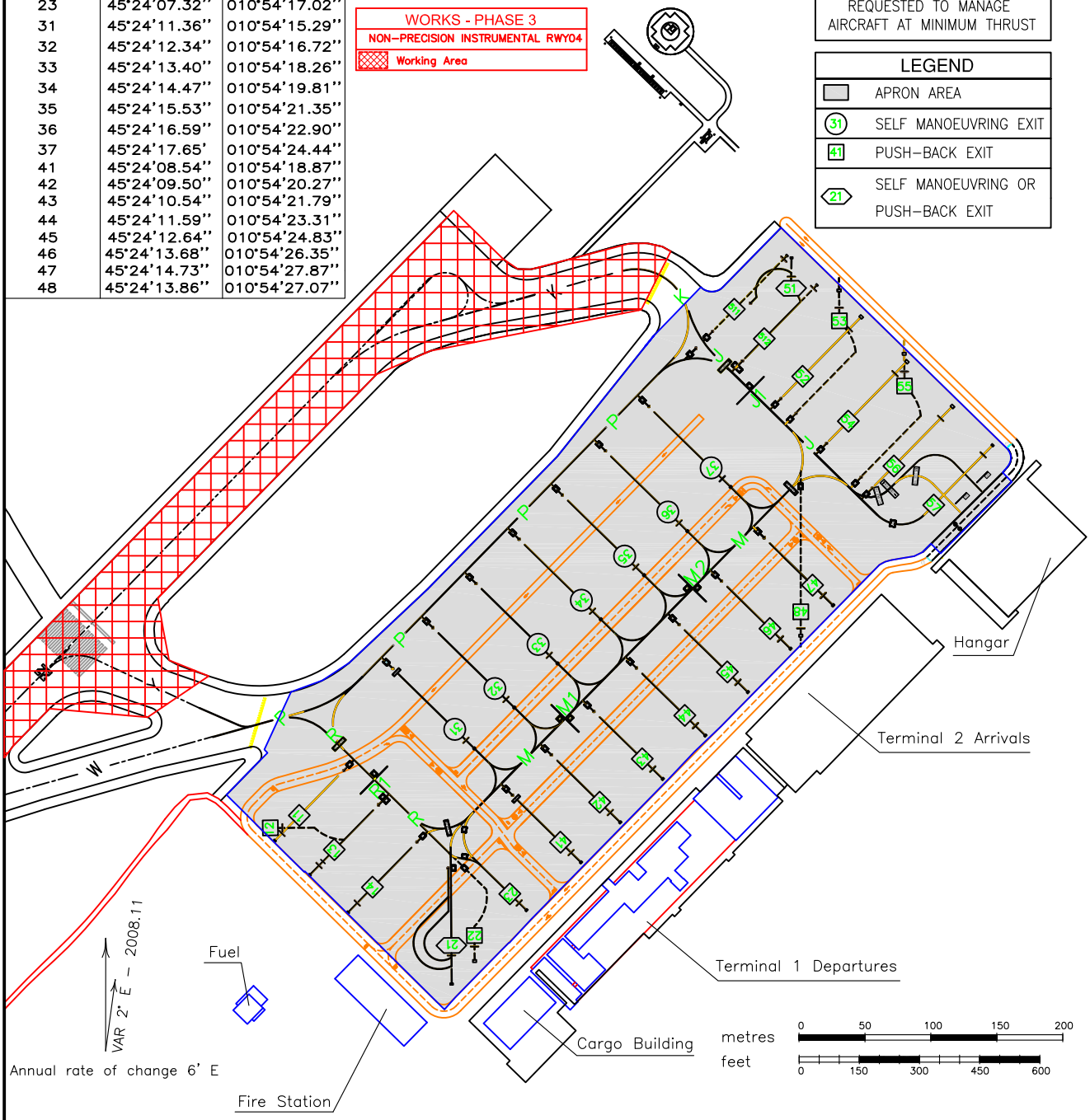
APN TWY M R J
IN ORDER TO AVOID JET BLAST HAZARDS PILOTS ARE REQUESTED TO MANAGE AIRCRAFT AT MINIMUM THRUST

WORKS - PHASE 3
NON–PRECISION INSTRUMENTAL RWY04
Working Area

LEGEND

	APRON AREA
31	SELF MANOEUVRING EXIT
41	PUSH–BACK EXIT
21	SELF MANOEUVRING OR PUSH–BACK EXIT

CHANGE: WIP PHASE 3



Data provided by AEROPORTO V.CATULLO SpA

Dimensioni ed altitudini in metri
Dimensions and elevations in metres

CARTA DEGLI OSTACOLI DI AERODROMO TIPO A OACI – Limitazioni Operative
AERODROME OBSTACLE CHART ICAO TYPE A – Operating Limitations

ITALY – VERONA/VILLAFRANCA

RWY 04/22

CHANGE: WORKS – PHASE 3

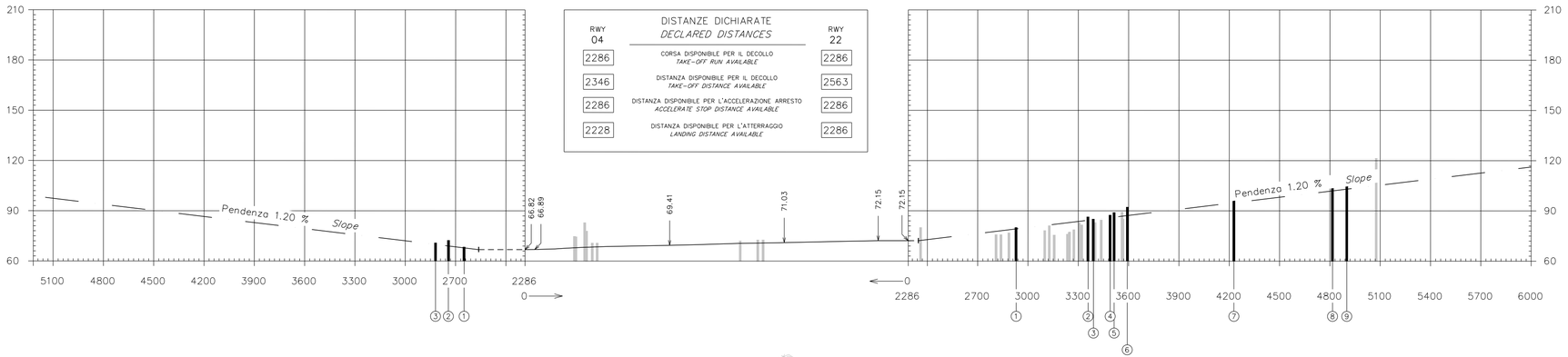
Declinazione magnetica: 2° E 2005.0
Magnetic variation:

Italian Magnetic model 2005

Annual rate of change: 6' E

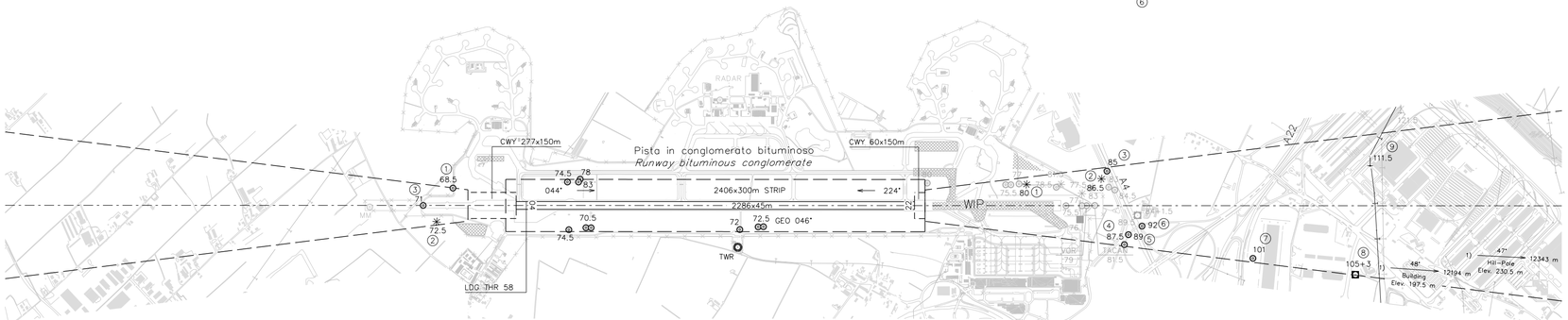
CONSULTARE I NOTAM PER LE ULTIME INFORMAZIONI
CONSULT NOTAM FOR LATEST INFORMATION

LEGENDA *LEGEND*	PIANTA *PLAN*	PROFILO *PROFILE*
Numero di identificazione *Identification number*	1	1
Profilo ostacoli situati nell'area di decollo *Obstructions within the take-off flight path area*		
Profilo ostacoli situati fuori dell'area di decollo *Obstructions beyond the take-off flight path area*		
Altitudine dell'ostacolo ed altezza dell'antenna se esistente *Obstacle altitude and antenna height if available*	56+1.5	
Edificio o costruzione importante *Building or large structure*		
Palo, torre, campanile, antenna, ciminiera *Pole, tower, spire, antenna, chimney*		
Traliccio *Lattice*		
Gru *Crane*		
Albero o arbusto – Gruppo di alberi *Tree or shrub – Wooded areas*		
Centro abitato *Built-up area*		
Ferrovia (uno o due binari) *Railroad (one or more tracks)*		
Linea trasporto energia elettrica – cavo sospeso *Transmission line – Overhead cable*		
Recinzione *Fence*		
Terreno sporgente dal piano ostacoli *Terrain penetrating obstruction plane*		



RWY 04	DISTANZE DICHIARATE *DECLARED DISTANCES*	RWY 22
2286	CORSA DISPONIBILE PER IL DECOLLO *TAKE-OFF RUN AVAILABLE*	2286
2346	DISTANZA DISPONIBILE PER IL DECOLLO *TAKE-OFF DISTANCE AVAILABLE*	2563
2286	DISTANZA DISPONIBILE PER L'ACCELERAZIONE ARRESTO *ACCELERATE STOP DISTANCE AVAILABLE*	2286
2228	DISTANZA DISPONIBILE PER L'ATTERRAGGIO *LANDING DISTANCE AVAILABLE*	2286

SCALA VERTICALE
VERTICAL SCALE
1:2000
METRI *METRES* / PIEDI *FEET*



1) RILEVAMENTO MAGNETICO E DISTANZA CALCOLATI DAL FINE PISTA 22

1) MAGNETIC BEARING AND DISTANCE COMPUTED FROM RWY END 22

SCALA ORIZZONTALE 1:20000 *HORIZONTAL SCALE*

METRI *METRES*: 0 500 1000 1500 2000 2500 3000

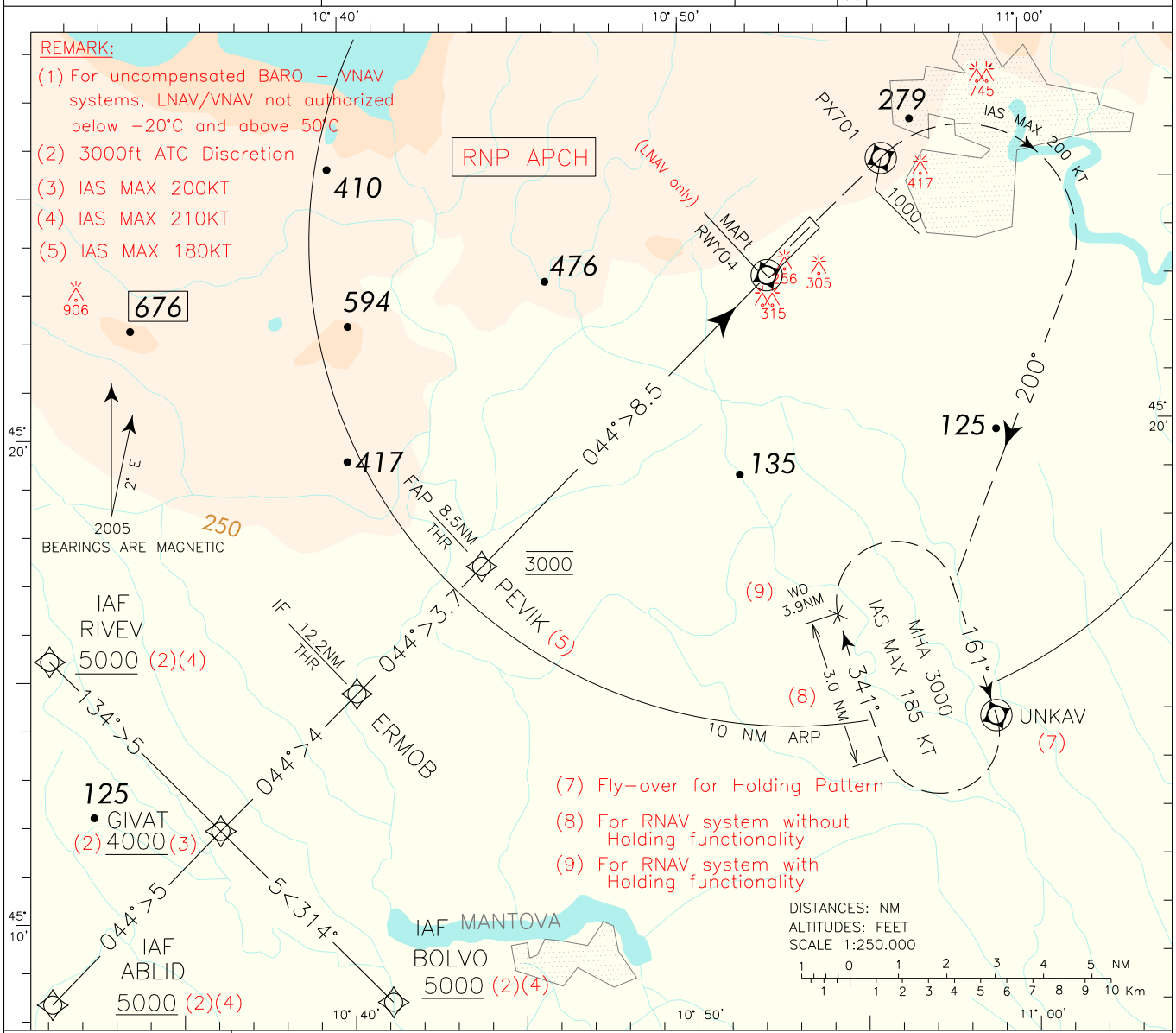
PIEDI *FEET*: 0 1000 2000 3000 4000 5000 6000 7000 8000 9000 10000

Le precisioni della carta sono quelle descritte nell'Annesso 4 ICAO, Capitolo 3.9

Accuracies on the chart are specified in ICAO Annex 4, Chapter 3.9

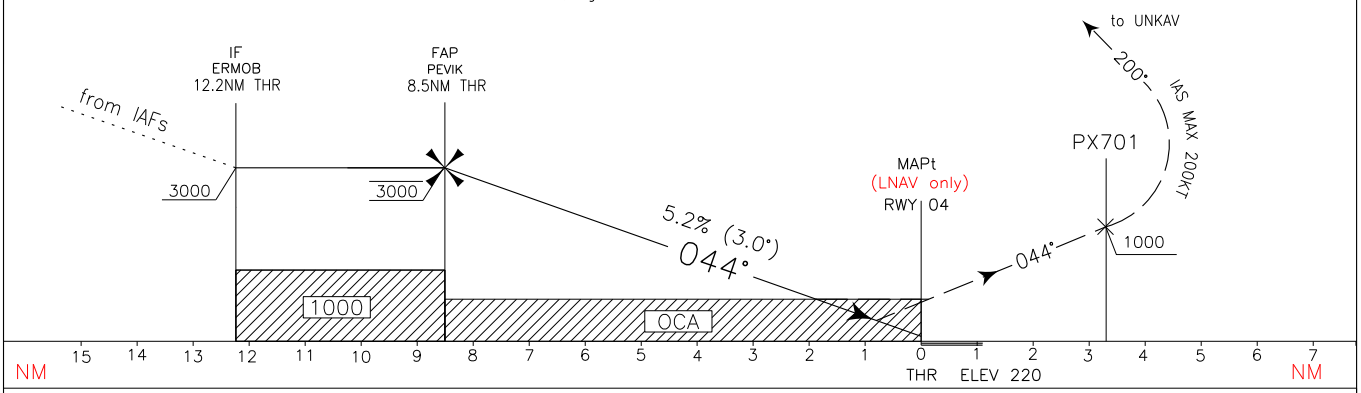
VARIANTI *AMENDMENT RECORD*		
N.	DATA *DATE*	REGISTRATO DA *ENTERED BY*

APP Verona APP/Radar	135.900 124.250	AD ELEV	LIPX	VERONA/VILLAFRANCA
TWR Villafranca TWR	118.550 118.650	237		RNAV (GNSS) RWY 04



TRANSITION ALT 6000

MISSED APPROACH: Maintaining final TR 044°, climb to 3000 ft. At PX701 (D1.5 after VIL TACAN, at 1000 ft or above) turn right on TR 200° to join and follow TR 161° bound to UNKAV missed approach holding pattern. Hold at 3000 ft, inbound TR 161°, right turns, IAS MAX 185 kt.

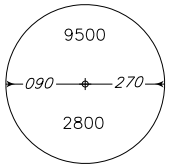


OCA (OCH)		A	B	C	D
STRAIGHT IN APPROACH	LNAV/VNAV	570 (350)	580 (360)	590 (370)	600 (380)
	LNAV	650 (430)			
CIRCLING (6)		800 (563)		950 (713)	1100 (863)

(6) REMARK: Circling allowed South–East of the RWY only.

GS	FT PER MIN	DIST THR 04	ALT (HGT)
80	425	7 NM	2500 (2280)
100	530	6 NM	2180 (1960)
120	635	5 NM	1865 (1645)
140	745	4 NM	1545 (1325)
160	850	3 NM	1225 (1005)
180	955	2 NM	905 (685)

MNM SECT ALT 25NM ARP



RNAV (GNSS) RWY04 – Instrument Approach Procedure via ABLID

Path Terminator	Waypoint identifier	Flyover	Course/Track °M (°T)	Turn Direction	Altitude Constraint (ft)	Speed Limit (kt)/Bank Angle	Recommended Navaid	Bearing/ Range from Navaid	Distance from THR (NM)	Remarks
IF	ABLID	-	-	-	+5000 (4)	210	-	-	21.2	-
TF	GIVAT	-	044 (045.1)	-	+4000 (4)	200	-	-	16.2	-
TF	ERMOB	-	044 (045.9)	-	+3000	-	-	-	12.2	-
TF	PEVIK	-	044 (045.6)	-	@3000	180	-	-	8.5	-
TF	THR 04	Y	044 (045.6)	-	-	-	-	-	-	MAPt (1)
TF	PX701	Y	044 (045.7)	-	+1000	200	-	-	-	-
VI	-	-	200 (202.0)	-	-	-	-	-	-	-
CF	UNKAV	-	161 (163.1)	-	+3000	-185	-	-	-	-
HM	UNKAV	Y	161 (163.1)	R	+3000	-185	-	-	-	-

RNAV (GNSS) RWY04 – Instrument Approach Procedure via BOLVO

Path Terminator	Waypoint identifier	Flyover	Course/Track °M (°T)	Turn Direction	Altitude Constraint (ft)	Speed Limit (kt)/Bank Angle	Recommended Navaid	Bearing/ Range from Navaid	Distance from THR (NM)	Remarks
IF	BOLVO	-	-	-	+5000 (4)	210	-	-	-	-
TF	GIVAT	-	314 (315.9)	-	+4000 (4)	200	-	-	16.2	-
TF	ERMOB	-	044 (045.9)	-	+3000	-	-	-	12.2	-
TF	PEVIK	-	044 (045.6)	-	@3000	180	-	-	8.5	-
TF	THR 04	Y	044 (045.6)	-	-	-	-	-	-	MAPt (1)
TF	PX701	Y	044 (045.7)	-	+1000	200	-	-	-	-
VI	-	-	200 (202.0)	-	-	-	-	-	-	-
CF	UNKAV	-	161 (163.1)	-	+3000	-185	-	-	-	-
HM	UNKAV	Y	161 (163.1)	R	+3000	-185	-	-	-	-

RNAV (GNSS) RWY04 – Instrument Approach Procedure via RIVEV

Path Terminator	Waypoint identifier	Flyover	Course/Track °M (°T)	Turn Direction	Altitude Constraint (ft)	Speed Limit (kt)/Bank Angle	Recommended Navaid	Bearing/ Range from Navaid	Distance from THR (NM)	Remarks
IF	RIVEV	-	-	-	+5000 (4)	210	-	-	-	-
TF	GIVAT	-	134 (135.7)	-	+4000 (4)	200	-	-	16.2	-
TF	ERMOB	-	044 (045.9)	-	+3000	-	-	-	12.2	-
TF	PEVIK	-	044 (045.6)	-	@3000	180	-	-	8.5	-
TF	THR 04	Y	044 (045.6)	-	-	-	-	-	-	MAPt (1)
TF	PX701	Y	044 (045.7)	-	+1000	200	-	-	-	-
VI	-	-	200 (202.0)	-	-	-	-	-	-	-
CF	UNKAV	-	161 (163.1)	-	+3000	-185	-	-	-	-
HM	UNKAV	Y	161 (163.1)	R	+3000	-185	-	-	-	-

Missed Approach Holding RNAV UNKAV

Path Terminator	Waypoint identifier	Inbound Course °M(°T)	Leg Distance (NM) (2)	Timing(min.)/ Waypoint Distance (NM) (3)	Turn Direction	Minimum Altitude (FT)	Maximum Altitude (FL)	Speed Limit (kt)	Magnetic Variation (°)	Navigation Performance
HM	UNKAV	161 (163)	3.0	- / 3.9	R	3000	-	185	2.0	RNAV 1

REMARKS

(1) **For LNAV only**
(2) **RNAV system with holding functionality**
(3) **RNAV system without holding functionality**
(4) **3000 FT ATC Discretion**

Waypoints Table formatted according ARINC 424 standards

Waypoint	Latitude	Longitude
PX701	N45253229	E010555556

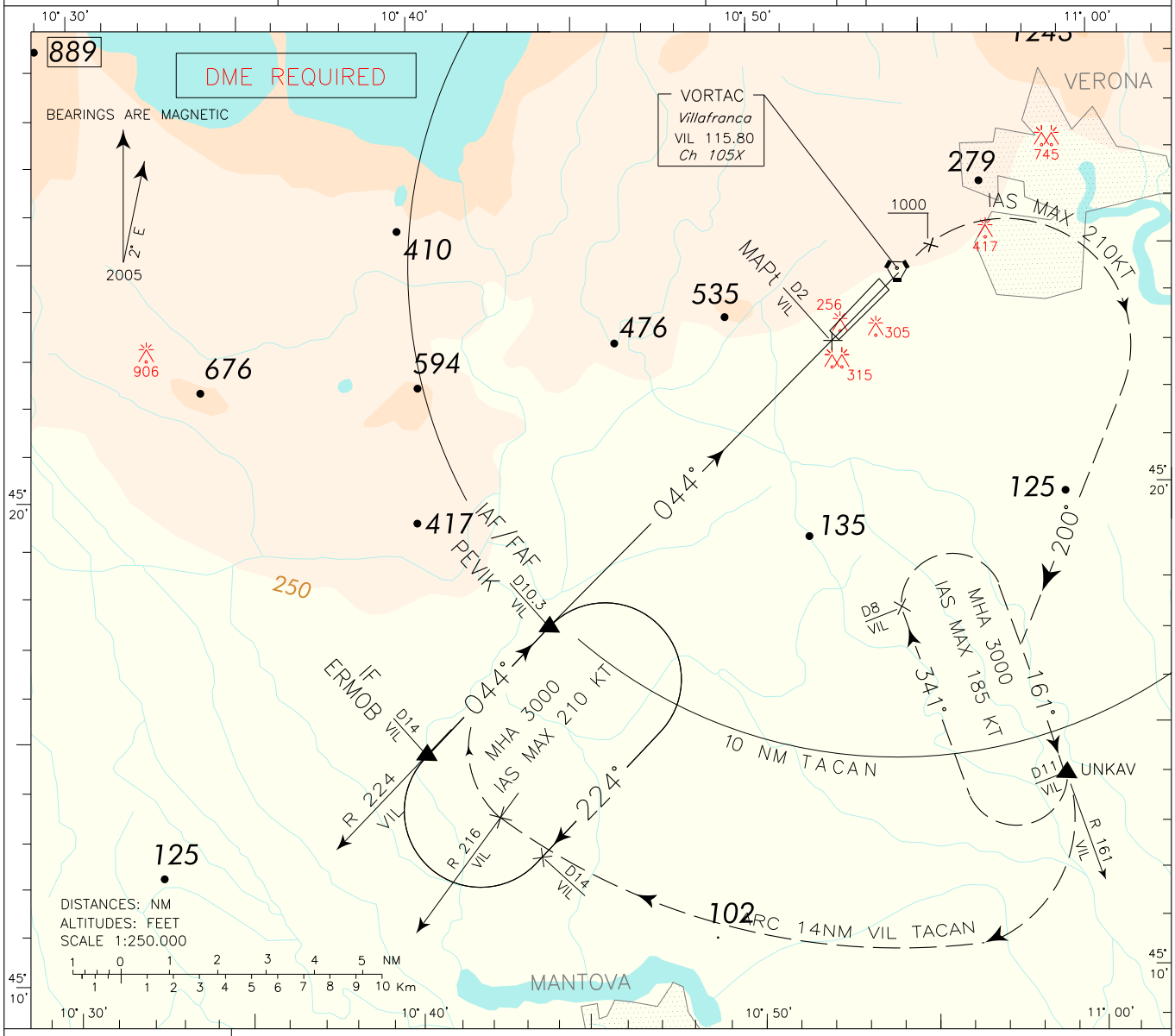
Intenzionalmente bianca

Intentionally left blank

DOC.8168–ED.6–2014

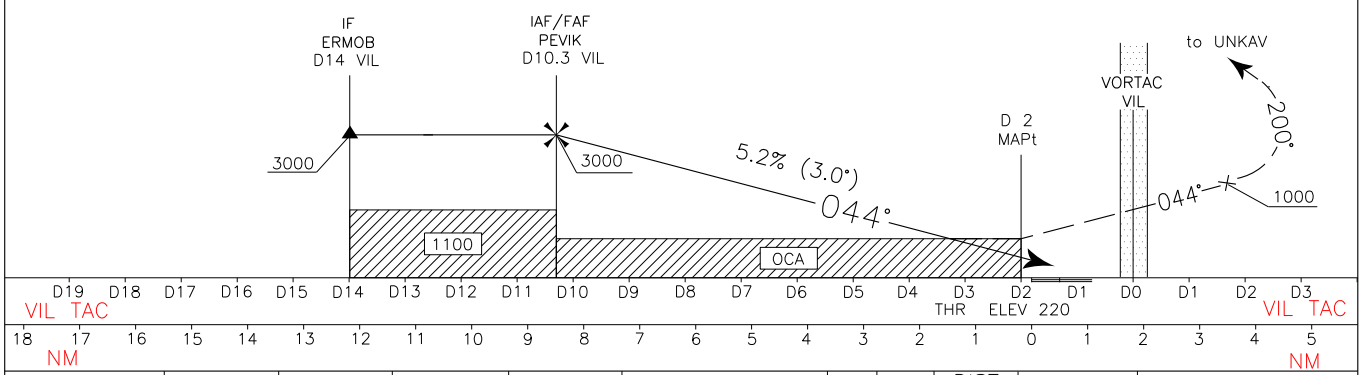
TEMPORARY PROCEDURE FOR PHASE 3

APP Verona APP/Radar	135.900 124.250	AD ELEV	LIPX	VERONA/VILLAFRANCA
TWR Villafranca TWR	118.550 118.650	237		VOR RWY 04



TRANSITION ALT 6000

MISSED APPROACH: Maintaining final TR 044° climb to 3000 ft. Passing VIL VORTAC or 1000ft, whichever is later, turn right TR 200° (IAS MAX 210KT) to join RDL 161 VIL VOR bound to UNKAV missed approach holding pattern. Hold on RDL 161 VIL VOR at 3000 ft between 11 NM and 8 NM VIL TACAN; Inbound TR 161°; right turns; IAS MAX 185KT.

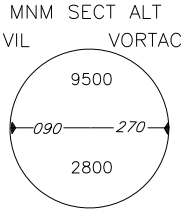


OCA (OCH)		A	B	C	D
STRAIGHT IN APPROACH	VOR	820 (600)			
CIRCLING (1)		830 (593)		950 (713)	1100 (863)

(1) REMARK: Circling allowed South East of the RWY only.

GS	FT PER MIN	DIST VIL TACAN	ALT (HGT)
80	425	10.3 NM	3000 (2780)
100	530	9 NM	2590 (2370)
120	635	8 NM	2270 (2050)
140	745	7 NM	1950 (1730)
160	850	6 NM	1630 (1410)
180	955	5 NM	1310 (1090)
		4 NM	990 (770)
		3 NM	670 (450)

MNM SECT ALT



DOC 8168–ED.6–2014

NEW TEMPORARY INITIAL CLIMB PROCEDURES AND SID FOR PHASE 3

SID RNAV 1 RWY 04

VERONA/VILLAFRANCA

TRANSITION ALT 6000

LEGEND	
Initial climb	·····
SID	———
SID ATC Discretion	- — —
Not to Scale	—/\/—

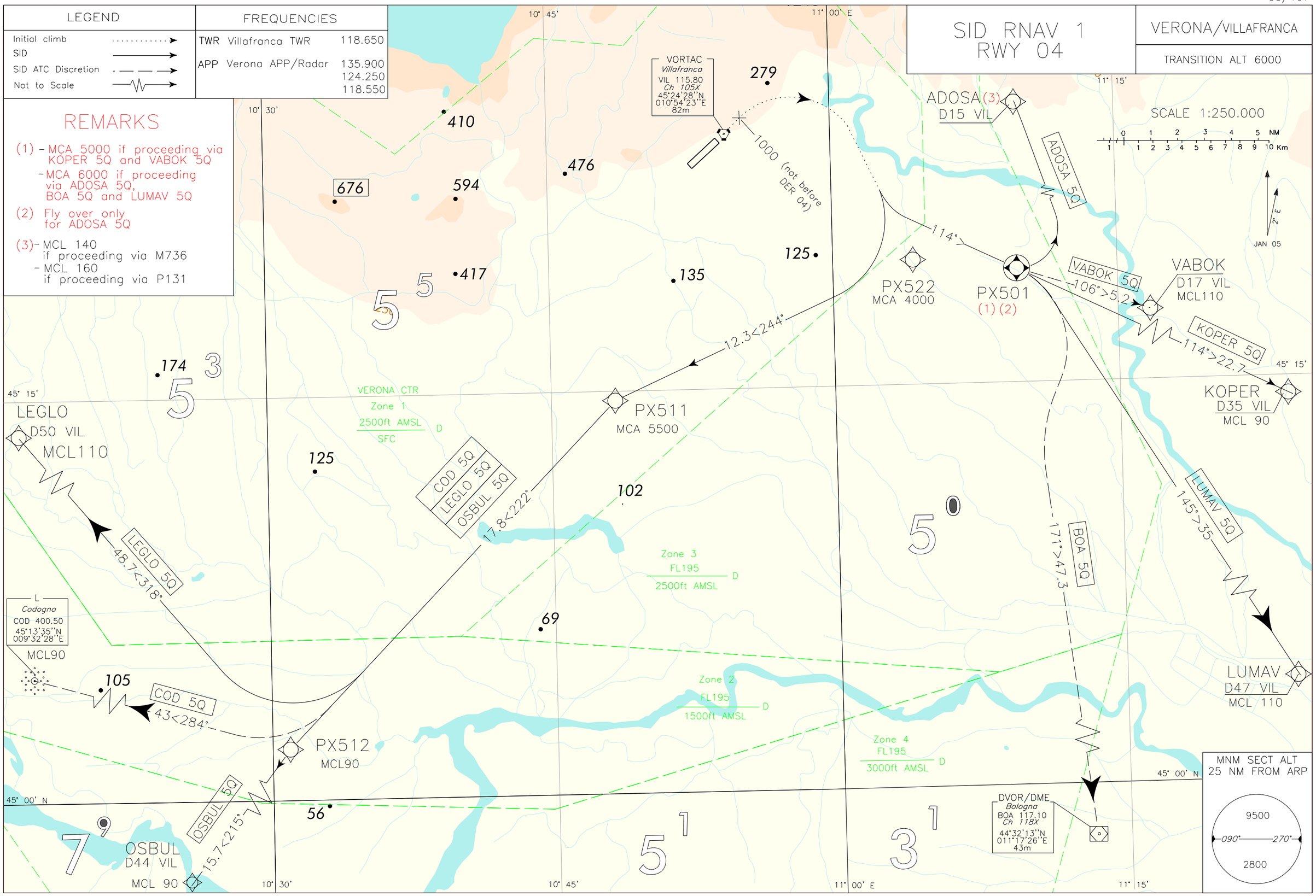
FREQUENCIES		
TWR	Villafranca TWR	118.650
APP	Verona APP/Radar	135.900 124.250 118.550

REMARKS

(1) – MCA 5000 if proceeding via KOPER 5Q and VABOK 5Q
– MCA 6000 if proceeding via ADOSA 5Q, BOA 5Q and LUMAV 5Q

(2) Fly over only for ADOSA 5Q

(3) – MCL 140 if proceeding via M736
– MCL 160 if proceeding via P131



VERONA/Villafranca
SID RNAV 1 RWY 04

INITIAL CLIMB PROCEDURES RWY 04 – PHASE 3

After take–off proceed runway heading and passing 1000 ft turn right (not before DER 04) to join the assigned SID.

Minimum climb gradient 600 ft/NM (9.8%) till passing 1000 FT then:
a) if proceeding via SID ADOSA 5Q: 395 ft/NM (6.5%)
b) if proceeding via SID BOA 5Q, COD 5Q, KOPER 5Q, LEGLO 5Q, LUMAV 5Q and OSBUL 5Q: 304 ft/NM (5.0%) until passing FL 85 due to obstacles and ATC reasons;
c) if proceeding via SID VABOK 5Q: 547 ft/NM (9.0%).

REMARKS

a) Adjust take-off climb rate in order to cross THR 22 at 65 ft above THR elevation.

b) All turns after take-off shall be performed according to the following parameters:
- IAS MAX 250 kt and bank angle 20°, or
- rate of turn 1.3°/sec

c) Initial climb gradients do not take into account "close-in" obstacles lower than 60 m (200 ft), MOC included, above DER elevation.

SID DESCRIPTION – PHASE 3

Initial climb procedure executed:

ADOSA 5Q

Path Terminator	Waypoint Name	Fly-Over	Track °Mag	Turn Direction	Altitude Constraint	Speed Limit (IAS)	Recommended Navaid	Bearing/ Range to Navaid	Navigation Performance
FA	DER04	-	044°	-	+1000	250	-	-	RNAV 1
CF	PX501	Y	114°		+6000	250	VIL VORTAC	RDL114/D12	RNAV 1
DF	ADOSA	-	-	L	(1)	-	-	-	RNAV 1

(1) FL 140 or FL160 according to the next route segment

BOA 5Q (ATC discretion)

Path Terminator	Waypoint Name	Fly-Over	Track °Mag	Turn Direction	Altitude Constraint	Speed Limit (IAS)	Recommended Navaid	Bearing/ Range to Navaid	Navigation Performance
FA	DER04	-	044°	-	+1000	250	-	-	RNAV 1
CF	PX501	-	114°	-	+6000	250	VIL VORTAC	RDL114/D12	RNAV 1
TF	BOA	-	171°	-	-	-	-	-	RNAV 1

COD 5Q (ATC discretion)

Path Terminator	Waypoint Name	Fly-Over	Track °Mag	Turn Direction	Altitude Constraint	Speed Limit (IAS)	Recommended Navaid	Bearing/ Range to Navaid	Navigation Performance
FA	DER04	-	044°	-	+1000	250	-	-	RNAV 1
DF	PX522	-	-	R	+4000	250	-	-	RNAV 1
TF	PX511	-	244°	-	+5500	-	-	-	RNAV 1
TF	PX512	-	222°	-	+FL90	-	-	-	RNAV 1
TF	COD	-	284°	-	+FL90	-	-	-	RNAV 1

KOPER 5Q

Path Terminator	Waypoint Name	Fly-Over	Track °Mag	Turn Direction	Altitude Constraint	Speed Limit (IAS)	Recommended Navaid	Bearing/ Range to Navaid	Navigation Performance
FA	DER04	-	044°	-	+1000	250	-	-	RNAV 1
CF	PX501	-	114°	-	+5000	250	VIL VORTAC	RDL114/D12	RNAV 1
TF	KOPER	-	114°	-	+FL90	-	-	-	RNAV 1

LEGLO 5Q

Path Terminator	Waypoint Name	Fly-Over	Track °Mag	Turn Direction	Altitude Constraint	Speed Limit (IAS)	Recommended Navaid	Bearing/ Range to Navaid	Navigation Performance
FA	DER04	-	044°	-	+1000	250	-	-	RNAV 1
DF	PX522	-	-	R	+4000	250	-	-	RNAV 1
TF	PX511	-	244°	-	+5500	-	-	-	RNAV 1
TF	PX512	-	222°	-	+FL90	-	-	-	RNAV 1
TF	LEGLO	-	318°	R	+FL110	-	-	-	RNAV 1

LUMAV 5Q

Path Terminator	Waypoint Name	Fly-Over	Track °Mag	Turn Direction	Altitude Constraint	Speed Limit (IAS)	Recommended Navaid	Bearing/ Range to Navaid	Navigation Performance
FA	DER04	-	044°	-	+1000	250	-	-	RNAV 1
CF	PX501	-	114°	-	+6000	250	VIL VORTAC	RDL114/D12	RNAV 1
TF	LUMAV	-	145°	-	+FL110	-	-	-	RNAV 1

OSBUL 5Q

Path Terminator	Waypoint Name	Fly-Over	Track °Mag	Turn Direction	Altitude Constraint	Speed Limit (IAS)	Recommended Navaid	Bearing/ Range to Navaid	Navigation Performance
FA	DER04	-	044°	-	+1000	250	-	-	RNAV 1
DF	PX522	-	-	R	+4000	250	-	-	RNAV 1
TF	PX511	-	244°	-	+5500	-	-	-	RNAV 1
TF	PX512	-	222°	-	+FL90	-	-	-	RNAV 1
TF	OSBUL	-	215°	-	+FL90	-	-	-	RNAV 1

VABOK 5Q (ATC Discretion)

Path Terminator	Waypoint Name	Fly-Over	Track °Mag	Turn Direction	Altitude Constraint	Speed Limit (IAS)	Recommended Navaid	Bearing/ Range to Navaid	Navigation Performance
FA	DER04	-	044°	-	+1000	250	-	-	RNAV 1
CF	PX501	-	114°	-	+5000	250	VIL VORTAC	RDL114/D12	RNAV 1
TF	VABOK	-	106°	-	+FL110	-	-	-	RNAV 1

Waypoints table formatted according ARINC 424 standards

Waypoint	Latitude	Longitude
DER04	N45240742	E010535200
PX501	N45191367	E011094171
PX511	N45143904	E010482196
PX512	N45015454	E010305491
PX522	N45193819	E011041365

Intenzionalmente bianca

Intentionally left blank

DOC 8168–ED.6–2014

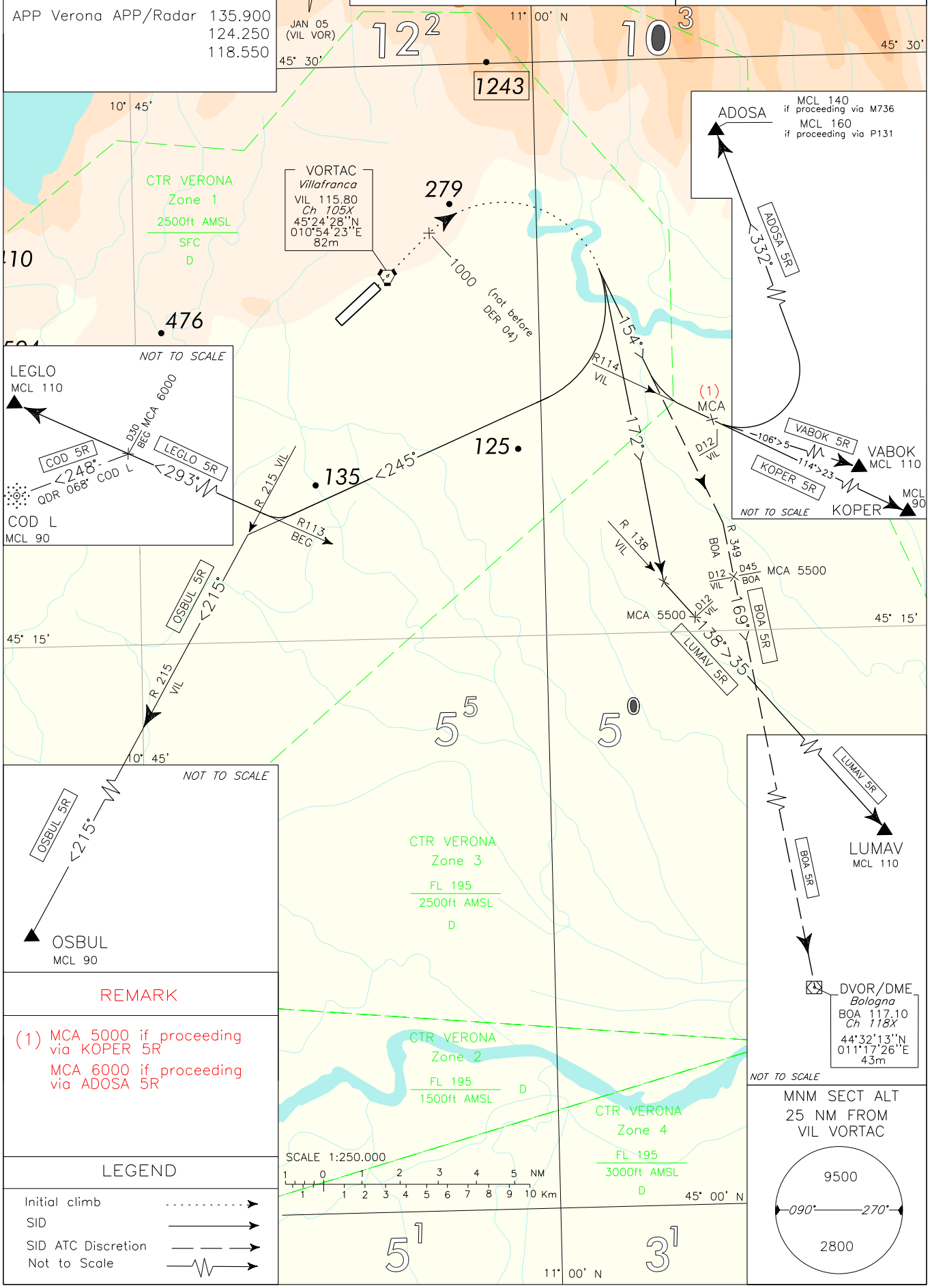
NEW TEMPORARY INITIAL CLIMB PROCEDURE AND SID FOR PHASE 3

FREQUENCIES	
TWR Villafranca TWR	118.650
APP Verona APP/Radar	135.900 124.250 118.550

Initial Climb Procedures & SID RWY 04

VERONA/VILLAFRANCA

TRANSITION ALT 6000



REMARK

(1) MCA 5000 if proceeding via KOPER 5R
MCA 6000 if proceeding via ADOSA 5R

LEGEND

- Initial climb
- SID
- SID ATC Discretion
- Not to Scale

MNM SECT ALT
25 NM FROM
VIL VORTAC

9500
090° 270°
2800

INITIAL CLIMB PROCEDURES RWY 04 – PHASE 3

After take–off proceed runway heading and passing 1000 ft turn right (not before DER 04) to join the assigned SID.

Minimum climb gradient 600 ft/NM (9.8%) till passing 1000 FT then:

a) if proceeding via SID ADOSA 5R: 395 ft/NM (6.5%)
b) if proceeding via SID BOA 5R, COD 5R, KOPER 5R, LEGLO 5R, LUMAV 5R and OSBUL 5R: 304 ft/NM (5.0%) until passing FL 85 due to obstacles and ATC reasons;
c) if proceeding via SID VABOK 5R: 547 ft/NM (9.0%).

REMARKS

a) Adjust take-off climb rate in order to cross THR 22 at 65 ft above THR elevation.

b) All turns after take-off shall be performed according to the following parameters:
- IAS MAX 250 kt and bank angle 20°, or
- rate of turn 1.3°/sec

c) Initial climb gradients do not take into account "close-in" obstacles lower than 60 m (200 ft), MOC included, above DER elevation.

SID DESCRIPTION – PHASE 3

Initial climb procedure executed:

ADOSA 5R
Proceed on TR 154° until joining RDL 114 VIL VOR (TR 114°) until 12 NM VIL TACAN, then turn left on TR 332° bound to ADOSA.

MCA/MCL: RDL114/12 NM VIL VORTAC: 6000 FT; ADOSA (1)

(1) FL 140 o/or FL160 according to the next route segment

BOA 5R (ATC discretion)
Proceed on TR 154° until joining RDL 349 BOA VOR bound to BOA VOR.

MCA: RDL 349/45 NM BOA VOR/DME (or 12 NM VIL TACAN): 5500 FT

COD 5R (ATC discretion)
Proceed on TR 245° until joining RDL 113 BEG VOR (TR 293°) until 30NM BEG DME, then turn left on TR 248° to join QDR 068° COD L.

MCA/MCL: RDL113/30 NM BEG VOR/DME: 6000 FT; COD: FL 90

KOPER 5R
Proceed on TR 154° until joining RDL 114 VIL VOR bound to KOPER.

MCA/MCL: RDL114/12 NM VIL VORTAC: 5000 FT; KOPER FL 90

LEGLO 5R
Proceed on TR 245°until joining RDL 113 BEG VOR (TR 293°) bound to LEGLO.

MCA/MCL: RDL113/30 NM BEG VOR/DME: 6000 FT; LEGLO FL 110

LUMAV 5R
Proceed on TR 172° until joining RDL 138 VIL VOR bound to LUMAV.

MCA/MCL: RDL138/12 NM VIL VORTAC: 5500 FT; LUMAV: FL 110

OSBUL 5R
Proceed on TR 245° until joining RDL 215 VIL VOR (TR 215°) bound to OSBUL.

MCA/MCL: OSBUL FL 90

VABOK 5R (ATC discretion)
Proceed on TR 154° until joining RDL 114 VIL VOR (TR 114°) until 12 NM VIL TACAN, then turn left on TR 106° bound to VABOK.

MCL: VABOK FL 110

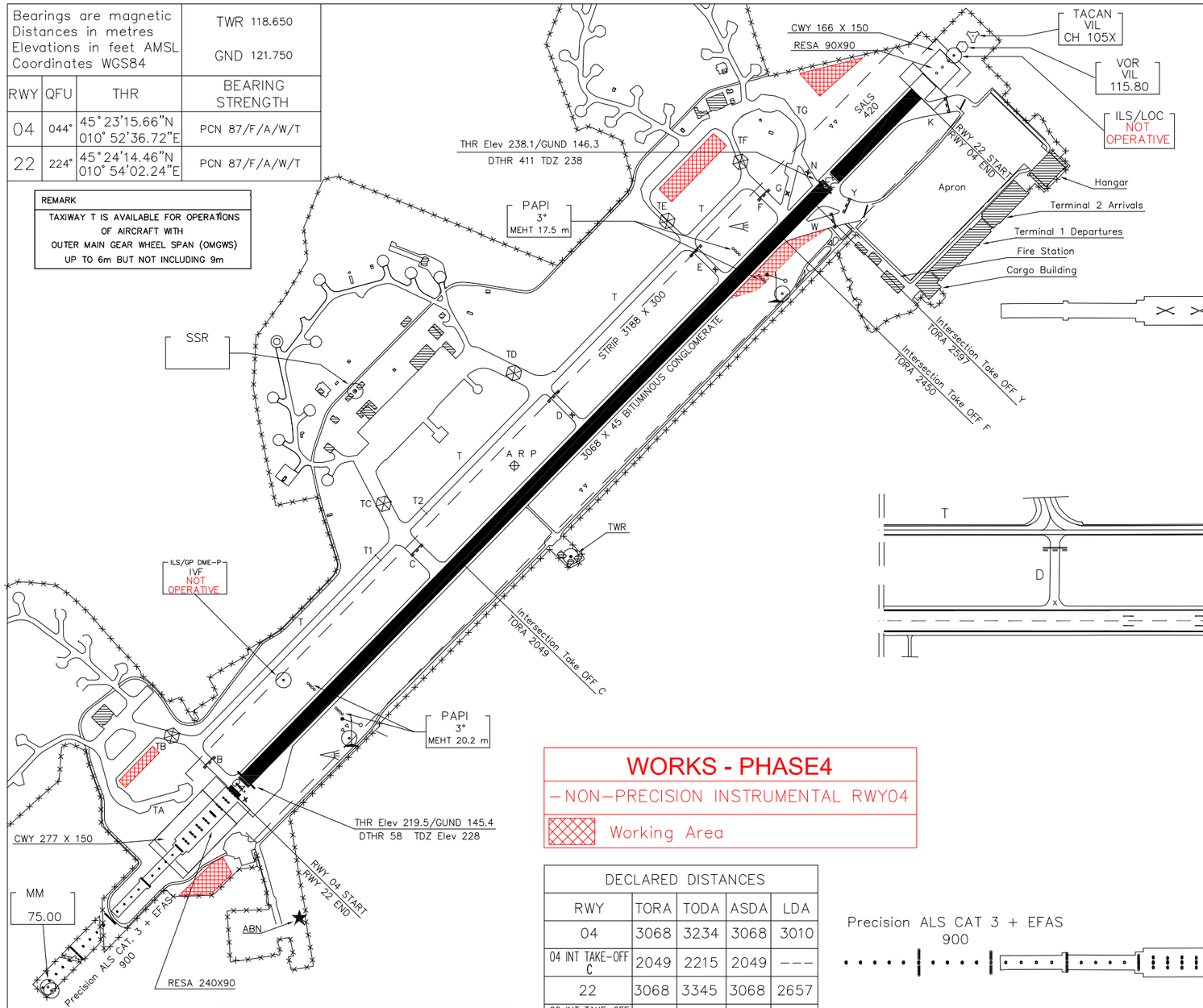
Intenzionalmente bianca

Intentionally left blank

Bearings are magnetic Distances in metres Elevations in feet AMSL Coordinates WGS84			TWR 118.650 GND 121.750
RWY	QFU	THR	BEARING STRENGTH
04	044°	45°23'15.66"N 010°52'36.72"E	PCN 87/F/A/W/T
22	224°	45°24'14.46"N 010°54'02.24"E	PCN 87/F/A/W/T

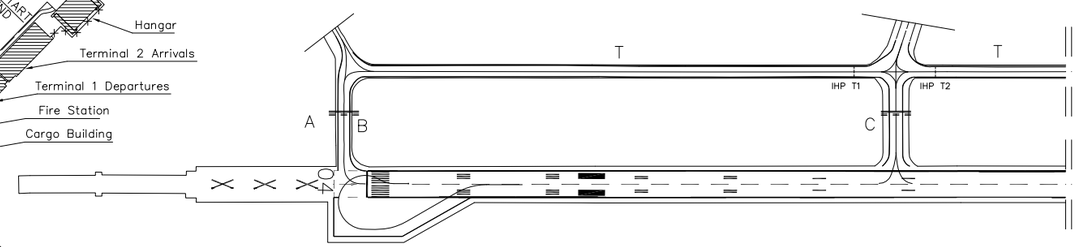
REMARK
TAXIWAY T IS AVAILABLE FOR OPERATIONS OF AIRCRAFT WITH OUTER MAIN GEAR WHEEL SPAN (OMGWS) UP TO 6m BUT NOT INCLUDING 9m

AD ELEV 240	VERONA / VILLAFRANCA	
APRON ELEV 232	L I P X	45° 23' 47"N 010°53' 16"E

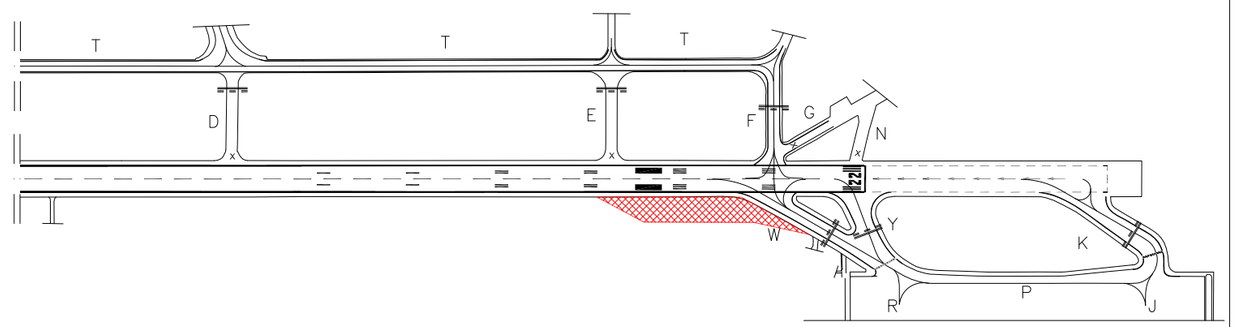


CHANGE: WIP PHASE 4

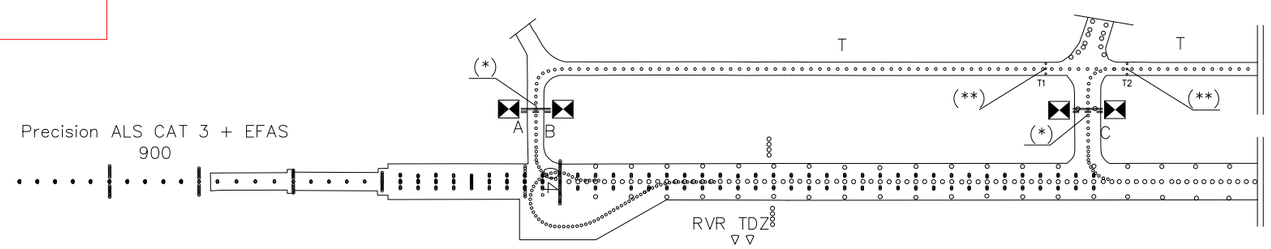
MARKING AIDS (Not to scale)



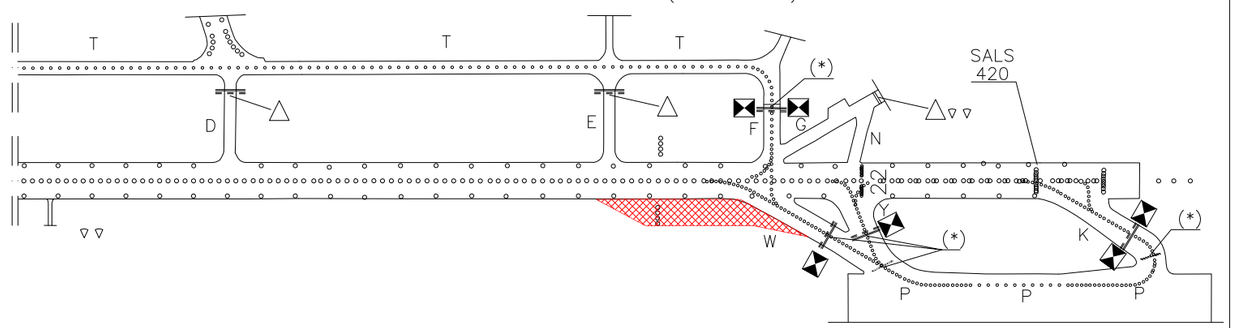
MARKING AIDS (Not to scale)



LIGHTING AIDS (Not to scale)



LIGHTING AIDS (Not to scale)



WORKS - PHASE4

– NON–PRECISION INSTRUMENTAL RWY04

Working Area

DECLARED DISTANCES				
RWY	TORA	TODA	ASDA	LDA
04	3068	3234	3068	3010
04 INT TAKE-OFF C	2049	2215	2049	---
22	3068	3345	3068	2657
22 INT TAKE-OFF F	2450	2727	2450	---
22 INT TAKE-OFF Y	2597	2874	2597	---

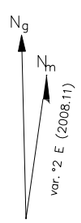
IDENT	WIDTH	SURFACE	BEARING STRENGTH
B	15	Asphalt	PCN73/F/A/W/T
C	23	Asphalt	PCN81/F/A/W/U
D	NIL	Asphalt	PCN87/F/A/W/T
E	NIL	Asphalt	PCN81/F/A/W/T
F	15	Asphalt	PCN73/F/A/W/T
G	NIL	Asphalt Concrete	NIL
K	28	Asphalt	PCN90/F/A/W/T
N	NIL	Asphalt Concrete	NIL
T	15	Asphalt	PCN73/F/A/W/T
W	23	Asphalt	PCN90/F/A/W/T
Y	30	Asphalt	PCN100/F/A/W/T

⊗ : Not usable by Civil Aircraft

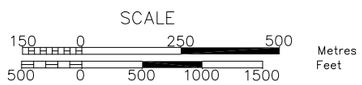
(*) STOP BAR

(**) IHP

△ RED FIXED LIGHT



(Annual rate of change: 6' E)



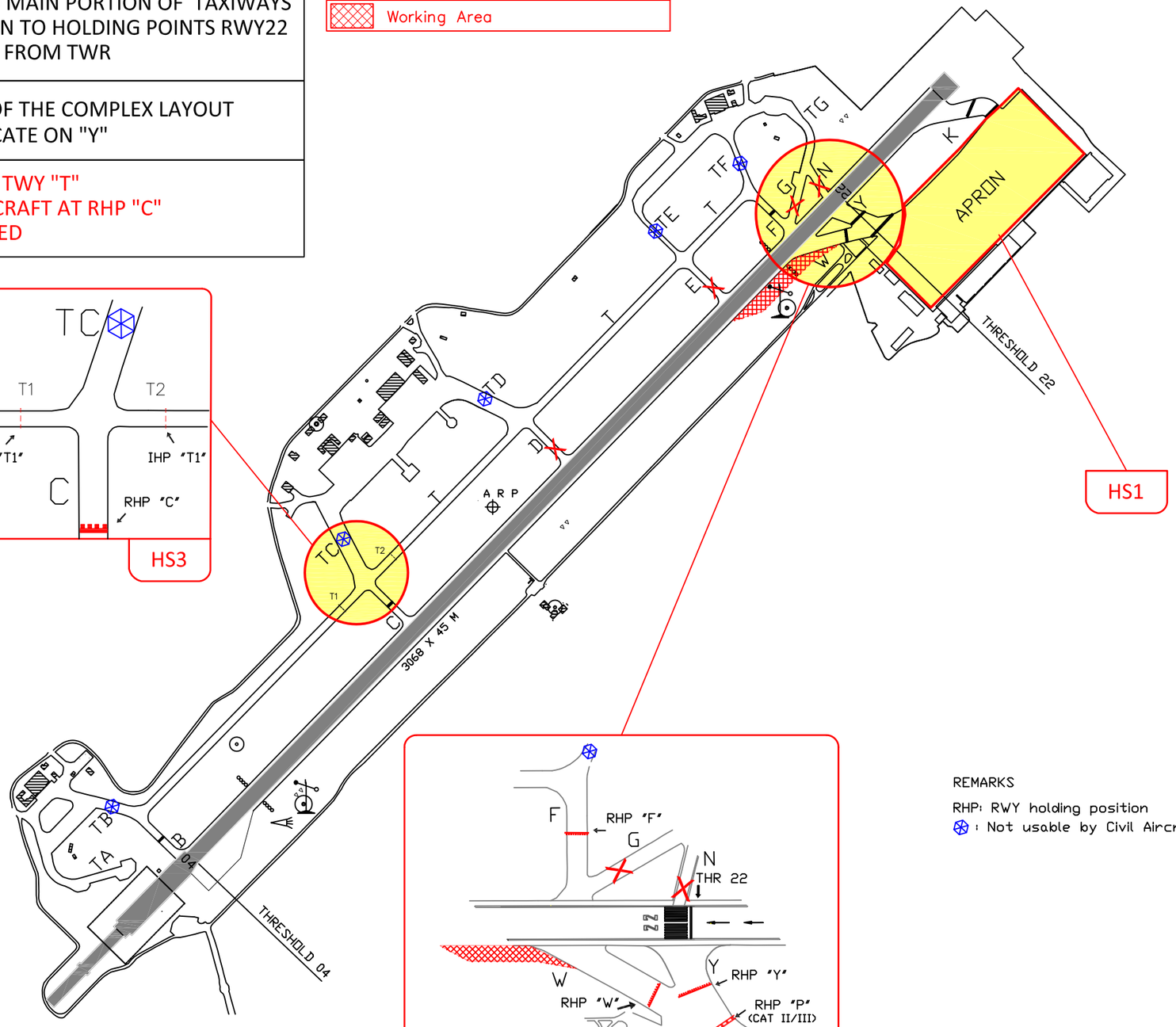
ATC SERVICES	
TWR 118.650	GND 121.750

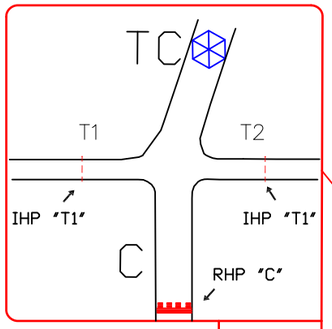
AD ELEV 240	VERONA / VILLAFRANCA
APRON ELEV 232	L I P X 45°23′ 47″N 010° 53′ 16″E

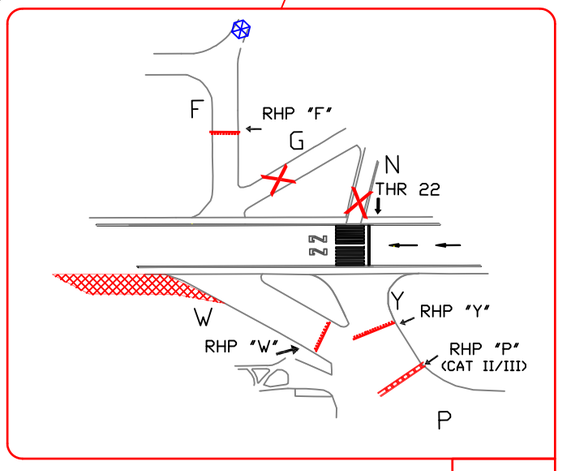
HOT SPOT	DESCRIPTION
HS1	APRON AND MAIN PORTION OF TAXIWAYS FROM APRON TO HOLDING POINTS RWY22 NOT VISIBLE FROM TWR
HS2	BE AWARE OF THE COMPLEX LAYOUT DO NOT VACATE ON "Y"
HS3	TAXIING ON TWY "T" BEHIND AIRCRAFT AT RHP "C" NOT ALLOWED

WORKS - PHASE 4

Working Area



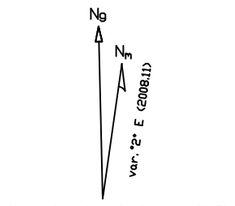




REMARKS

RHP: RWY holding position

⊛ : Not usable by Civil Aircraft



(Annual rate of change: 6′ E)

SCALE

150 0 250 500 Metres

500 0 500 1000 1500 Feet

CHANGE: WIP PHASE 4

ATC SERVICES	
TWR 118.650	GND 121.750

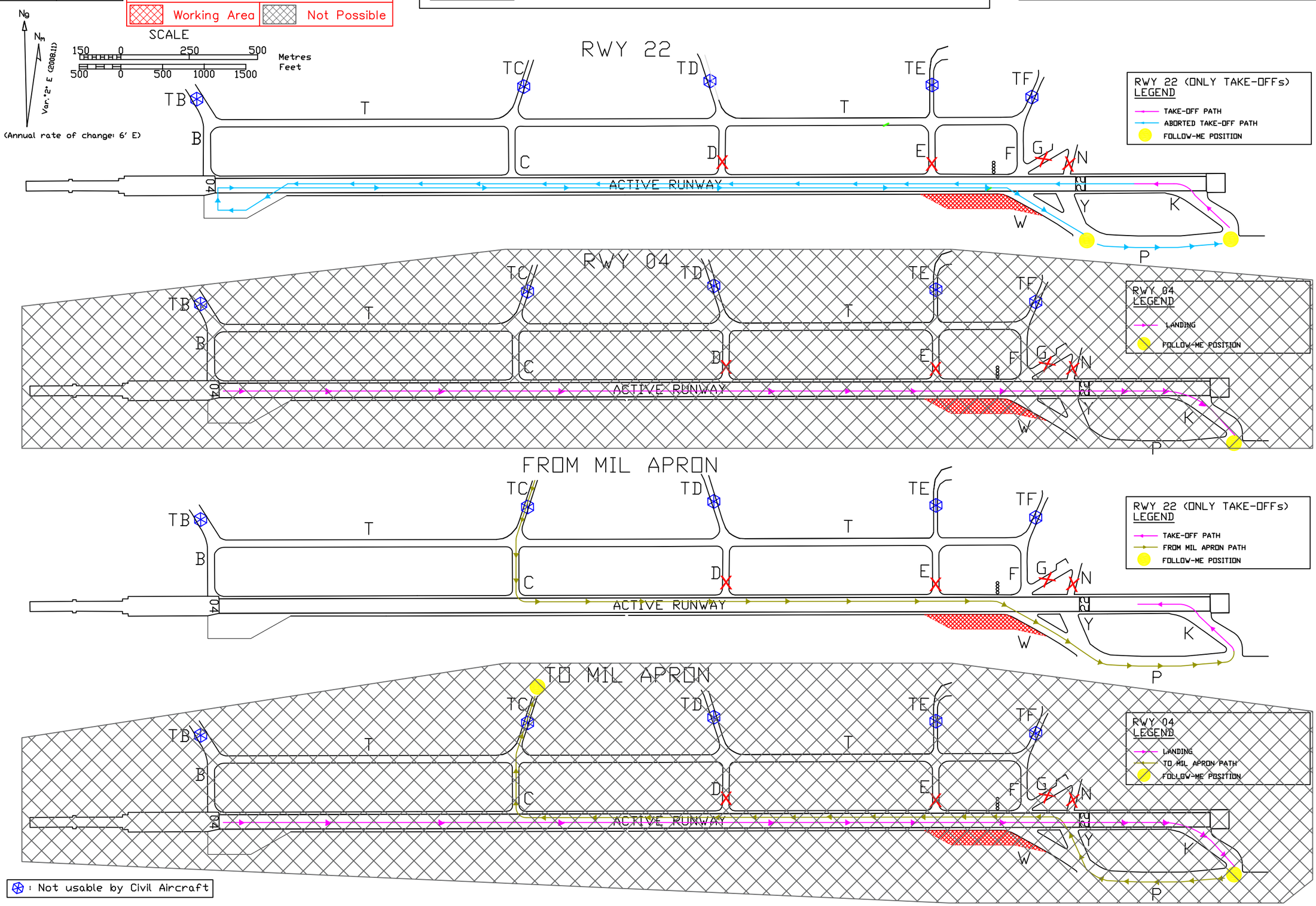
WORKS - PHASE 4

Working Area | Not Possible

WARNING : DIFFERENT ROUTINGS COULD BE AUTHORIZED AT ATC DESCRETION

AD ELEV 240	VERONA / VILLAFRANCA	
APRON ELEV 232	L I P X	45° 23′ 47″N 010° 53′ 16″E

CHANGE: WIP PHASE 4



Dimensioni ed altitudini in metri
Dimensions and elevations in metres

CARTA DEGLI OSTACOLI DI AERODROMO TIPO A OACI – Limitazioni Operative
AERODROME OBSTACLE CHART ICAO TYPE A – Operating Limitations

ITALY – VERONA/VILLAFRANCA RWY 04/22

Declinazione magnetica: 2° E 2005.0
Magnetic variation:

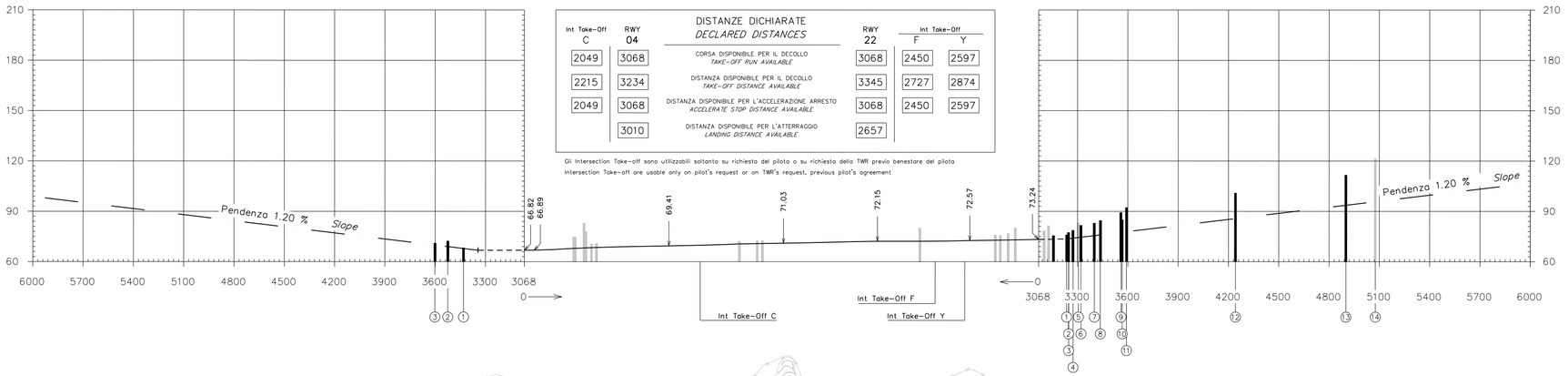
Italian Magnetic model 2005

Annual rate of change: 6' E

CONSULTARE I NOTAM PER LE ULTIME INFORMAZIONI
CONSULT NOTAM FOR LATEST INFORMATION

CHANGE: WORKS – PHASE 4

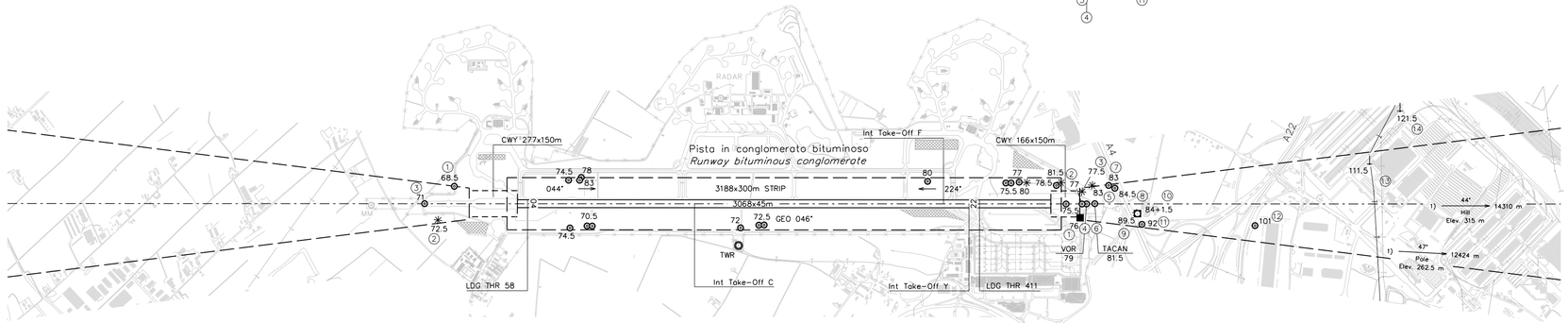
LEGENDA *LEGEND*	PIANTA *PLAN*	PROFILO *PROFILE*
Numero di identificazione *Identification number*	1	1
Profilo ostacoli situati nell'area di decollo *Obstructions within the take-off flight path area*		
Profilo ostacoli situati fuori dell'area di decollo *Obstructions beyond the take-off flight path area*		
Altitudine dell'ostacolo ed altezza dell'antenna se esistente *Obstacle altitude and antenna height if available*	56+1.5	
Edificio o costruzione importante *Building or large structure*		
Palo, torre, campanile, antenna, ciminiera *Pole, tower, spire, antenna, chimney*		
Traliccio *Lattice*		
Gru *Crane*		
Albero o arbusto – Gruppo di alberi *Tree or shrub – Wooded areas*		
Centro abitato *Built-up area*		
Ferrovia (uno o due binari) *Railroad (one or more tracks)*		
Linea trasporto energia elettrica – cavo sospeso *Transmission line – Overhead cable*		
Recinzione *Fence*		
Terreno sporgente dal piano ostacoli *Terrain penetrating obstruction plane*		



Int Take-Off C	RWY 04	DISTANZE DICHIARATE *DECLARED DISTANCES*	RWY 22	Int Take-Off F	Int Take-Off Y
2049	3068	CORSA DISPONIBILE PER IL DECOLLO *TAKE-OFF RUN AVAILABLE*	3068	2450	2597
2215	3234	DISTANZA DISPONIBILE PER IL DECOLLO *TAKE-OFF DISTANCE AVAILABLE*	3345	2727	2874
2049	3068	DISTANZA DISPONIBILE PER L'ACCELERAZIONE ARRESTO *ACCELERATE STOP DISTANCE AVAILABLE*	3068	2450	2597
	3010	DISTANZA DISPONIBILE PER L'ATTERRAGGIO *LANDING DISTANCE AVAILABLE*	2657		

Gli Intersection Take-off sono utilizzabili soltanto su richiesta del pilota o su richiesta della TWR previo benestare del pilota
Intersection Take-off are usable only on pilot's request or on TWR's request, previous pilot's agreement

SCALA VERTICALE
VERTICAL SCALE
1:2000
METRI *METRES* 75 50 25 0
PIEDI *FEET* 250 200 150 100 50 0



1) RILEVAMENTO MAGNETICO E DISTANZA CALCOLATI DAL FINE PISTA 22

1) MAGNETIC BEARING AND DISTANCE COMPUTED FROM RWY END 22

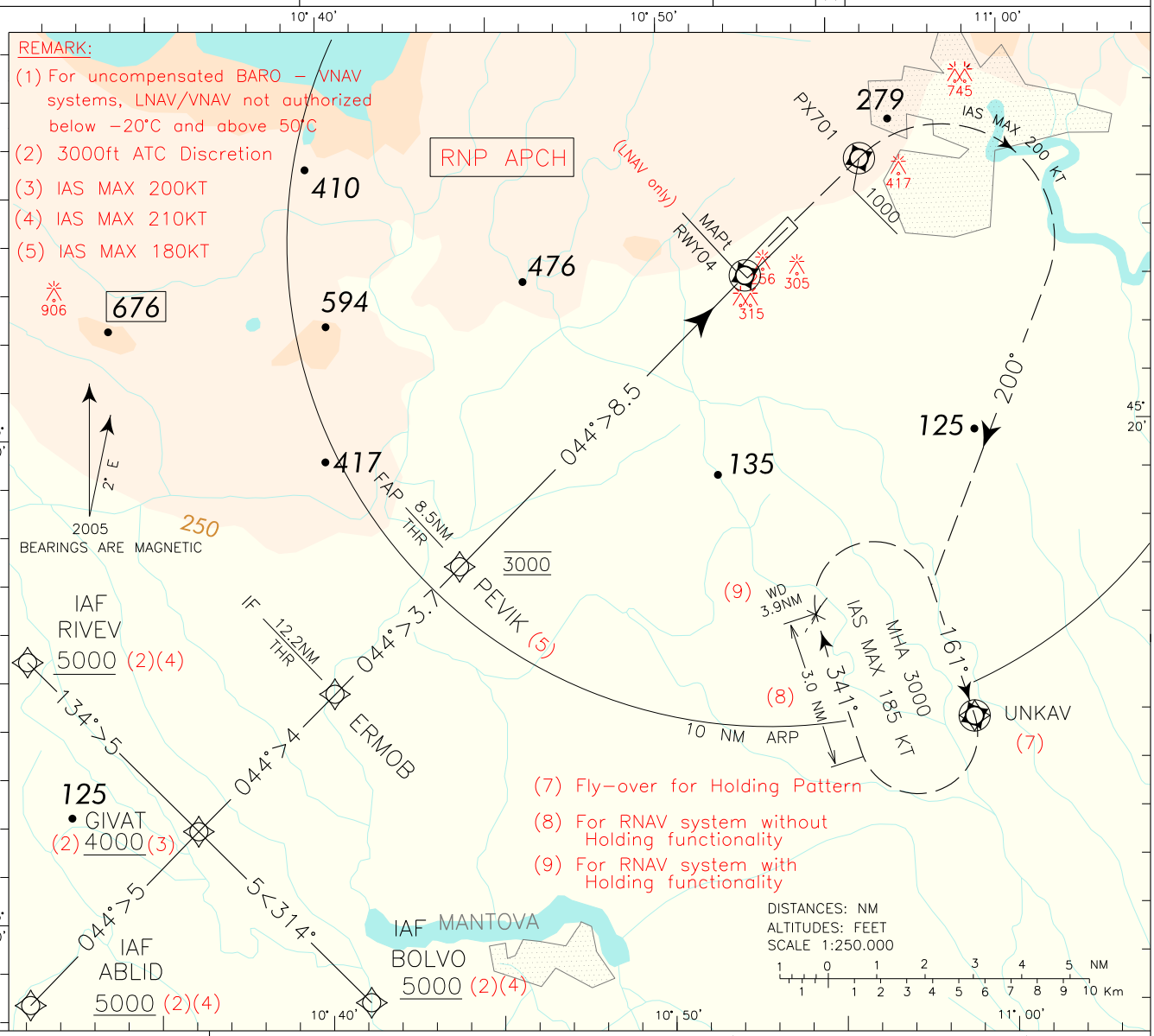
SCALA ORIZZONTALE 1:20000 *HORIZONTAL SCALE*

METRI *METRES* 0 500 1000 1500 2000 2500 3000
PIEDI *FEET* 0 1000 2000 3000 4000 5000 6000 7000 8000 9000 10000

Le precisioni della carta sono quelle descritte nell'Annesso 4 ICAO, Capitolo 3.9
Accuracies on the chart are specified in ICAO Annex 4, Chapter 3.9

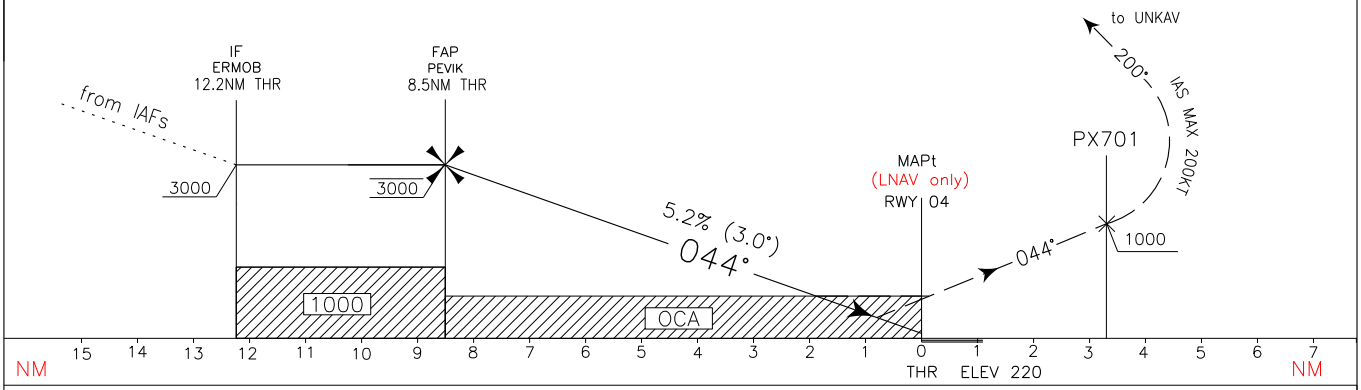
VARIANTI *AMENDMENT RECORD*		
N.	DATA *DATE*	REGISTRATO DA *ENTERED BY*

APP Verona APP/Radar	135.900	AD ELEV	LIPX	VERONA/VILLAFRANCA
	124.250			
	118.550	240		RNAV (GNSS) RWY 04
TWR Villafranca TWR	118.650			



TRANSITION ALT 6000

MISSED APPROACH: Maintaining final TR 044°, climb to 3000 ft. At PX701 (D1.5 after VIL TACAN, at 1000 ft or above) turn right on TR 200° to join and follow TR 161° bound to UNKAV missed approach holding pattern. Hold at 3000 ft, inbound TR 161°, right turns, IAS MAX 185 kt.

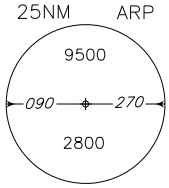


OCA (OCH)		A	B	C	D
STRAIGHT IN APPROACH	LNAV/VNAV	570 (350)	580 (360)	590 (370)	600 (380)
	LNAV	650 (430)			
CIRCLING (6)		800 (560)		950 (710)	1100 (860)

(6) REMARK: Circling allowed South-East of the RWY only.

GS	FT PER MIN	DIST THR 04	ALT (HGT)
80	425	7 NM	2500 (2280)
100	530	6 NM	2180 (1960)
120	635	5 NM	1865 (1645)
140	745	4 NM	1545 (1325)
160	850	3 NM	1225 (1005)
180	955	2 NM	905 (685)

MNM SECT ALT 25NM ARP



RNAV (GNSS) RWY04 – Instrument Approach Procedure via ABLID

Path Terminator	Waypoint identifier	Flyover	Course/Track °M (°T)	Turn Direction	Altitude Constraint (ft)	Speed Limit (kt)/Bank Angle	Recommended Navaid	Bearing/ Range from Navaid	Distance from THR (NM)	Remarks
IF	ABLID	-	-	-	+5000 (4)	210	-	-	21.2	-
TF	GIVAT	-	044 (045.1)	-	+4000 (4)	200	-	-	16.2	-
TF	ERMOB	-	044 (045.9)	-	+3000	-	-	-	12.2	-
TF	PEVIK	-	044 (045.6)	-	@3000	180	-	-	8.5	-
TF	THR 04	Y	044 (045.6)	-	-	-	-	-	-	MAPt (1)
TF	PX701	Y	044 (045.7)	-	+1000	200	-	-	-	-
VI	-	-	200 (202.0)	-	-	-	-	-	-	-
CF	UNKAV	-	161 (163.1)	-	+3000	-185	-	-	-	-
HM	UNKAV	Y	161 (163.1)	R	+3000	-185	-	-	-	-

RNAV (GNSS) RWY04 – Instrument Approach Procedure via BOLVO

Path Terminator	Waypoint identifier	Flyover	Course/Track °M (°T)	Turn Direction	Altitude Constraint (ft)	Speed Limit (kt)/Bank Angle	Recommended Navaid	Bearing/ Range from Navaid	Distance from THR (NM)	Remarks
IF	BOLVO	-	-	-	+5000 (4)	210	-	-	-	-
TF	GIVAT	-	314 (315.9)	-	+4000 (4)	200	-	-	16.2	-
TF	ERMOB	-	044 (045.9)	-	+3000	-	-	-	12.2	-
TF	PEVIK	-	044 (045.6)	-	@3000	180	-	-	8.5	-
TF	THR 04	Y	044 (045.6)	-	-	-	-	-	-	MAPt (1)
TF	PX701	Y	044 (045.7)	-	+1000	200	-	-	-	-
VI	-	-	200 (202.0)	-	-	-	-	-	-	-
CF	UNKAV	-	161 (163.1)	-	+3000	-185	-	-	-	-
HM	UNKAV	Y	161 (163.1)	R	+3000	-185	-	-	-	-

RNAV (GNSS) RWY04 – Instrument Approach Procedure via RIVEV

Path Terminator	Waypoint identifier	Flyover	Course/Track °M (°T)	Turn Direction	Altitude Constraint (ft)	Speed Limit (kt)/Bank Angle	Recommended Navaid	Bearing/ Range from Navaid	Distance from THR (NM)	Remarks
IF	RIVEV	-	-	-	+5000 (4)	210	-	-	-	-
TF	GIVAT	-	134 (135.7)	-	+4000 (4)	200	-	-	16.2	-
TF	ERMOB	-	044 (045.9)	-	+3000	-	-	-	12.2	-
TF	PEVIK	-	044 (045.6)	-	@3000	180	-	-	8.5	-
TF	THR 04	Y	044 (045.6)	-	-	-	-	-	-	MAPt (1)
TF	PX701	Y	044 (045.7)	-	+1000	200	-	-	-	-
VI	-	-	200 (202.0)	-	-	-	-	-	-	-
CF	UNKAV	-	161 (163.1)	-	+3000	-185	-	-	-	-
HM	UNKAV	Y	161 (163.1)	R	+3000	-185	-	-	-	-

Missed Approach Holding RNAV UNKAV

Path Terminator	Waypoint identifier	Inbound Course °M(°T)	Leg Distance (NM) (2)	Timing(min.)/ Waypoint Distance (NM) (3)	Turn Direction	Minimum Altitude (FT)	Maximum Altitude (FL)	Speed Limit (kt)	Magnetic Variation (°)	Navigation Performance
HM	UNKAV	161 (163)	3.0	- / 3.9	R	3000	-	185	2.0	RNAV 1

REMARKS

(1) **For LNAV only**
(2) **RNAV system with holding functionality**
(3) **RNAV system without holding functionality**
(4) **3000 FT ATC Discretion**

Waypoints Table formatted according ARINC 424 standards

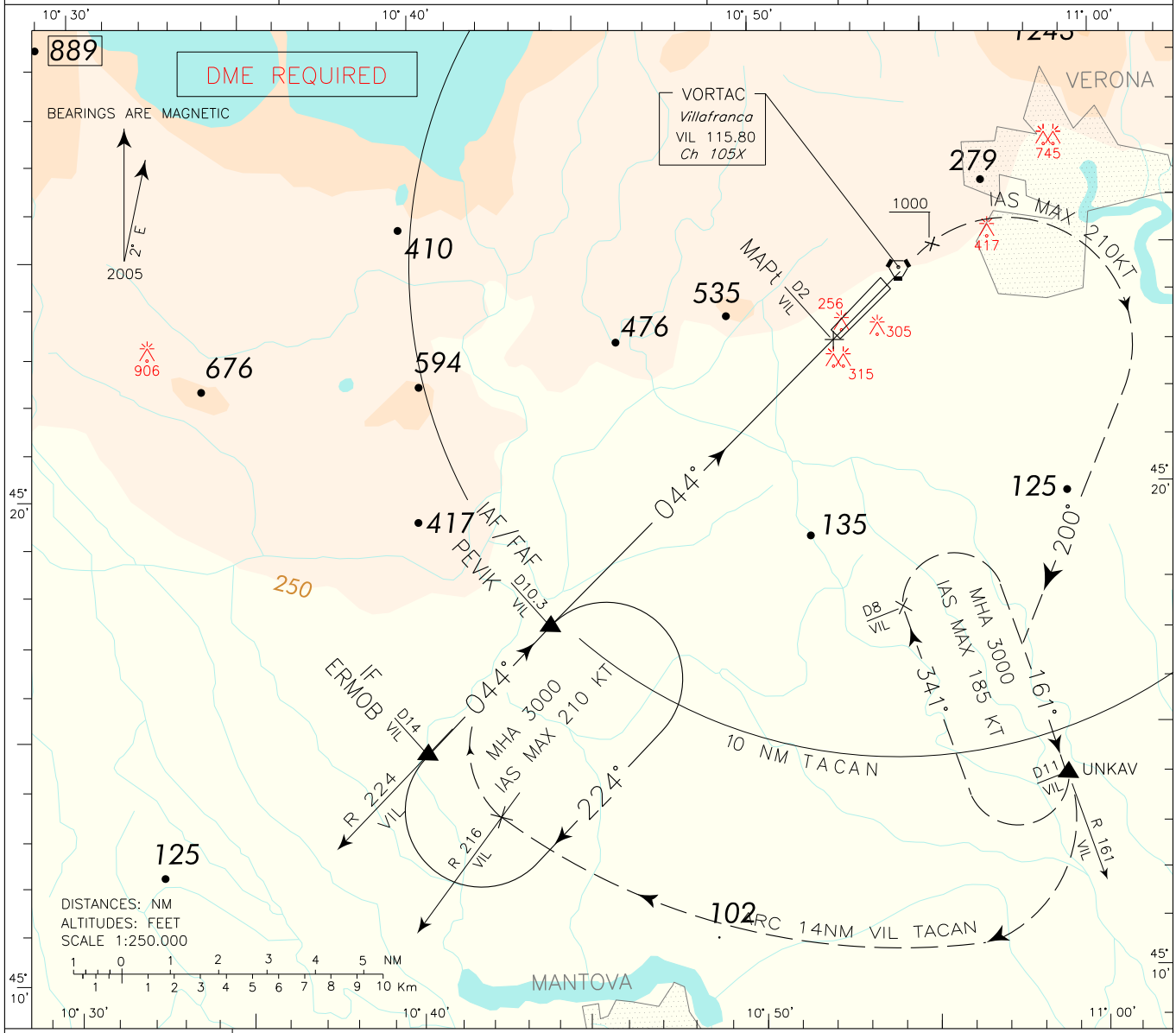
Waypoint	Latitude	Longitude
PX701	N45253229	E010555556

Intenzionalmente bianca

Intentionally left blank

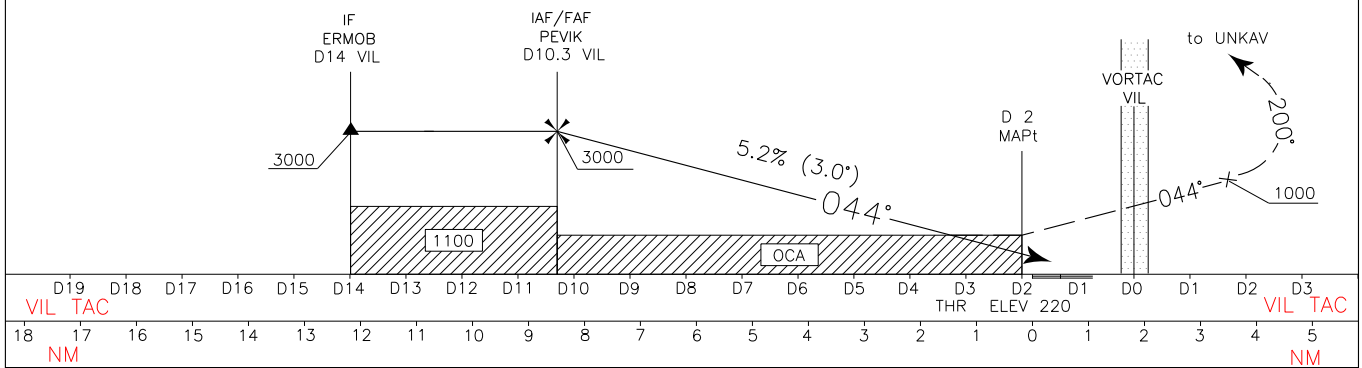
DOC.8168–ED.6–2014

APP Verona APP/Radar	135.900	AD ELEV	LIPX	VERONA/VILLAFRANCA
	124.250			
	118.550	240		VOR RWY 04
TWR Villafranca TWR	118.650			



TRANSITION ALT 6000

MISSED APPROACH: Maintaining final TR 044° climb to 3000 ft. Passing VIL VORTAC or 1000ft, whichever is later, turn right TR 200° (IAS MAX 210KT) to join RDL 161 VIL VOR bound to UNKAV missed approach holding pattern. Hold on RDL 161 VIL VOR at 3000 ft between 11 NM and 8 NM VIL TACAN; Inbound TR 161°; right turns; IAS MAX 185KT.

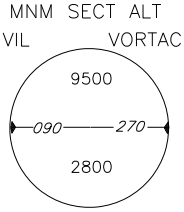


OCA (OCH)		A	B	C	D
STRAIGHT IN APPROACH	VOR	820 (600)			
CIRCLING (1)		830 (590)		950 (710)	1100 (860)

(1) REMARK: Circling allowed South East of the RWY only.

GS	FT PER MIN	DIST VIL TACAN	ALT (HGT)
80	425	10.3 NM	3000 (2780)
100	530	9 NM	2590 (2370)
120	635	8 NM	2270 (2050)
140	745	7 NM	1950 (1730)
160	850	6 NM	1630 (1410)
180	955	5 NM	1310 (1090)
		4 NM	990 (770)
		3 NM	670 (450)

MNM SECT ALT



TEMPORARY PROCEDURE FOR PHASE 4

Bearings are magnetic
Distances in metres
Elevations in feet AMSL
Coordinates WGS84

TWR 118.650

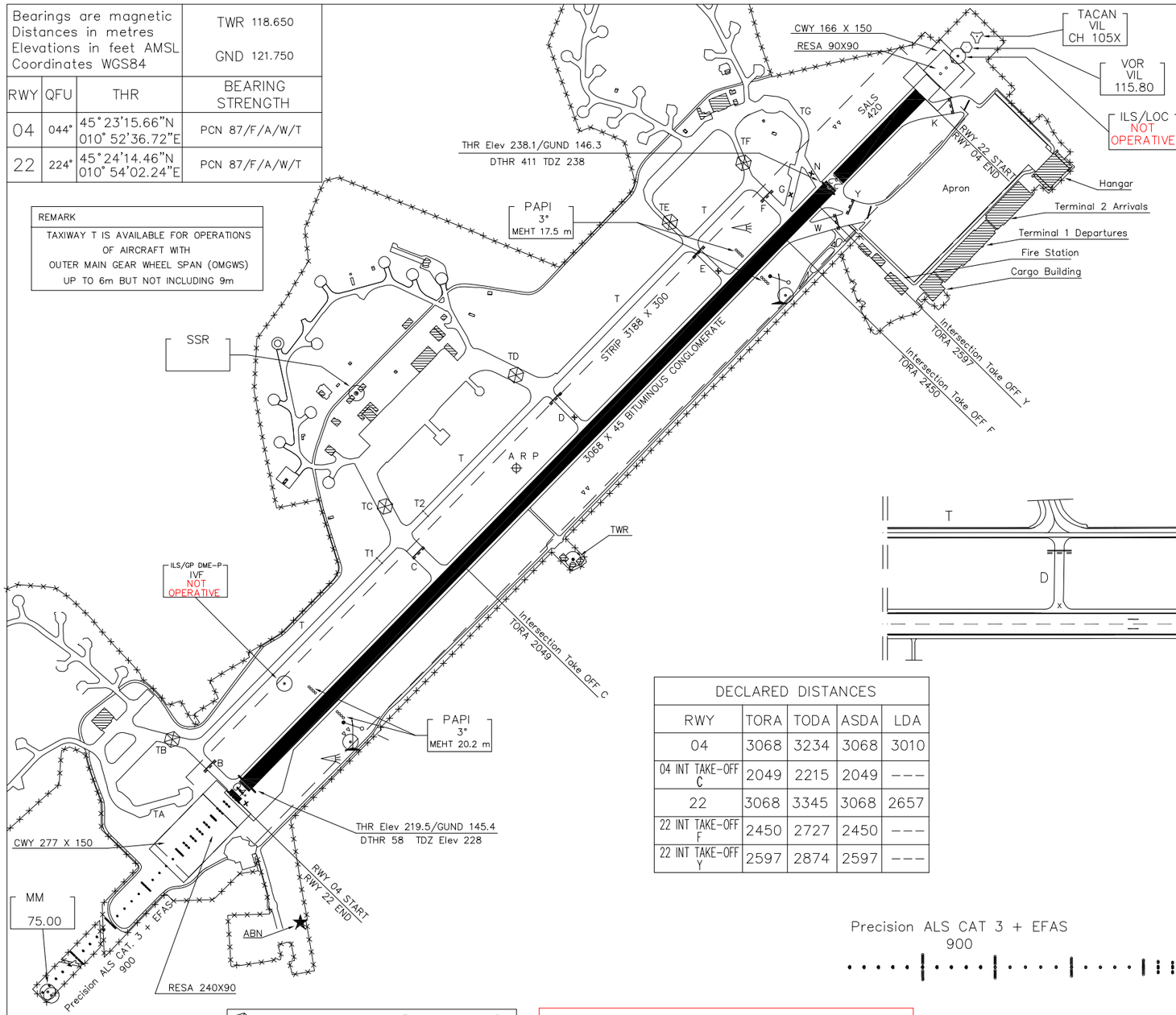
GND 121.750

RWY	QFU	THR	BEARING STRENGTH
04	044°	45°23'15.66"N 010°52'36.72"E	PCN 87/F/A/W/T
22	224°	45°24'14.46"N 010°54'02.24"E	PCN 87/F/A/W/T

AD ELEV	VERONA / VILLAFRANCA	
240		
APRON ELEV 232	L I P X	45° 23' 47"N 010° 53' 16"E

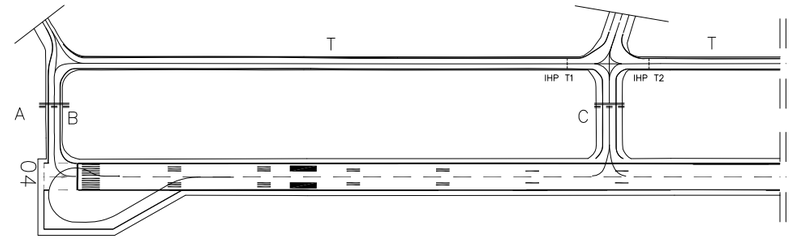
REMARK

TAXIWAY T IS AVAILABLE FOR OPERATIONS OF AIRCRAFT WITH OUTER MAIN GEAR WHEEL SPAN (OMGWS) UP TO 6m BUT NOT INCLUDING 9m

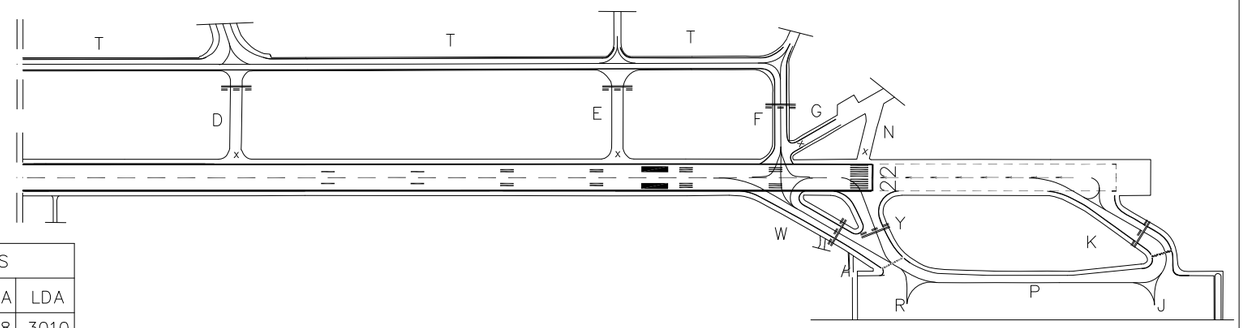


DECLARED DISTANCES				
RWY	TORA	TODA	ASDA	LDA
04	3068	3234	3068	3010
04 INT TAKE-OFF C	2049	2215	2049	---
22	3068	3345	3068	2657
22 INT TAKE-OFF F	2450	2727	2450	---
22 INT TAKE-OFF Y	2597	2874	2597	---

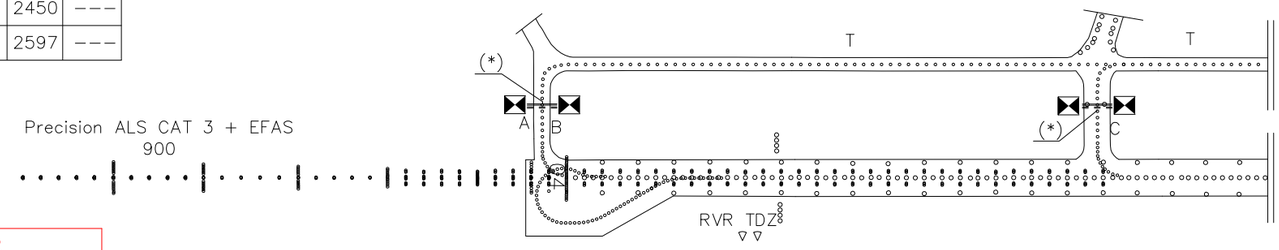
MARKING AIDS (Not to scale)



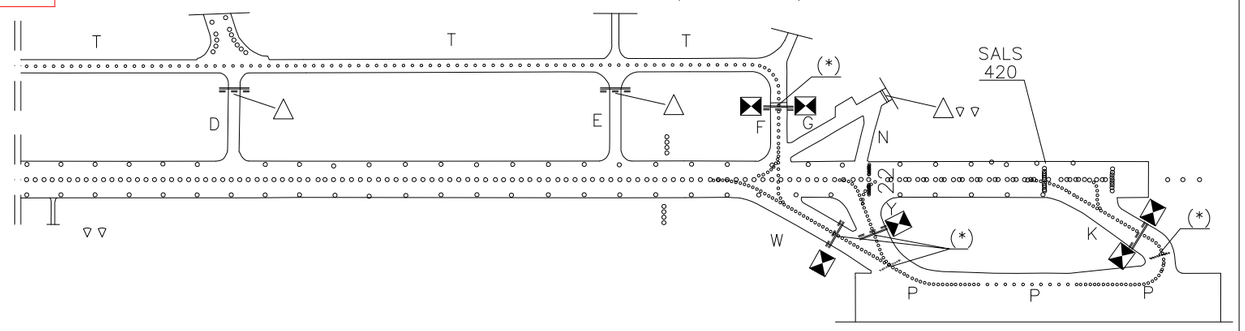
MARKING AIDS (Not to scale)



LIGHTING AIDS (Not to scale)



LIGHTING AIDS (Not to scale)



CHANGE: WIP PHASE 5

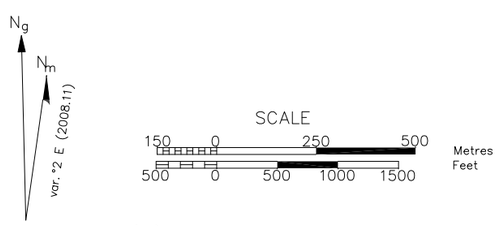
IDENT	WIDTH	SURFACE	BEARING STRENGTH
B	15	Asphalt	PCN73/F/A/W/T
C	23	Asphalt	PCN81/F/A/W/U
D	NIL	Asphalt	PCN87/F/A/W/T
E	NIL	Asphalt	PCN81/F/A/W/T
F	15	Asphalt	PCN73/F/A/W/T
G	NIL	Asphalt Concrete	NIL
K	28	Asphalt	PCN90/F/A/W/T
N	NIL	Asphalt Concrete	NIL
T	15	Asphalt	PCN73/F/A/W/T
W	23	Asphalt	PCN90/F/A/W/T
Y	30	Asphalt	PCN100/F/A/W/T

: Not usable by Civil Aircraft

(*) STOP BAR

(**) IHP

RED FIXED LIGHT



(Annual rate of change: 6' E)

WORKS - PHASE 5

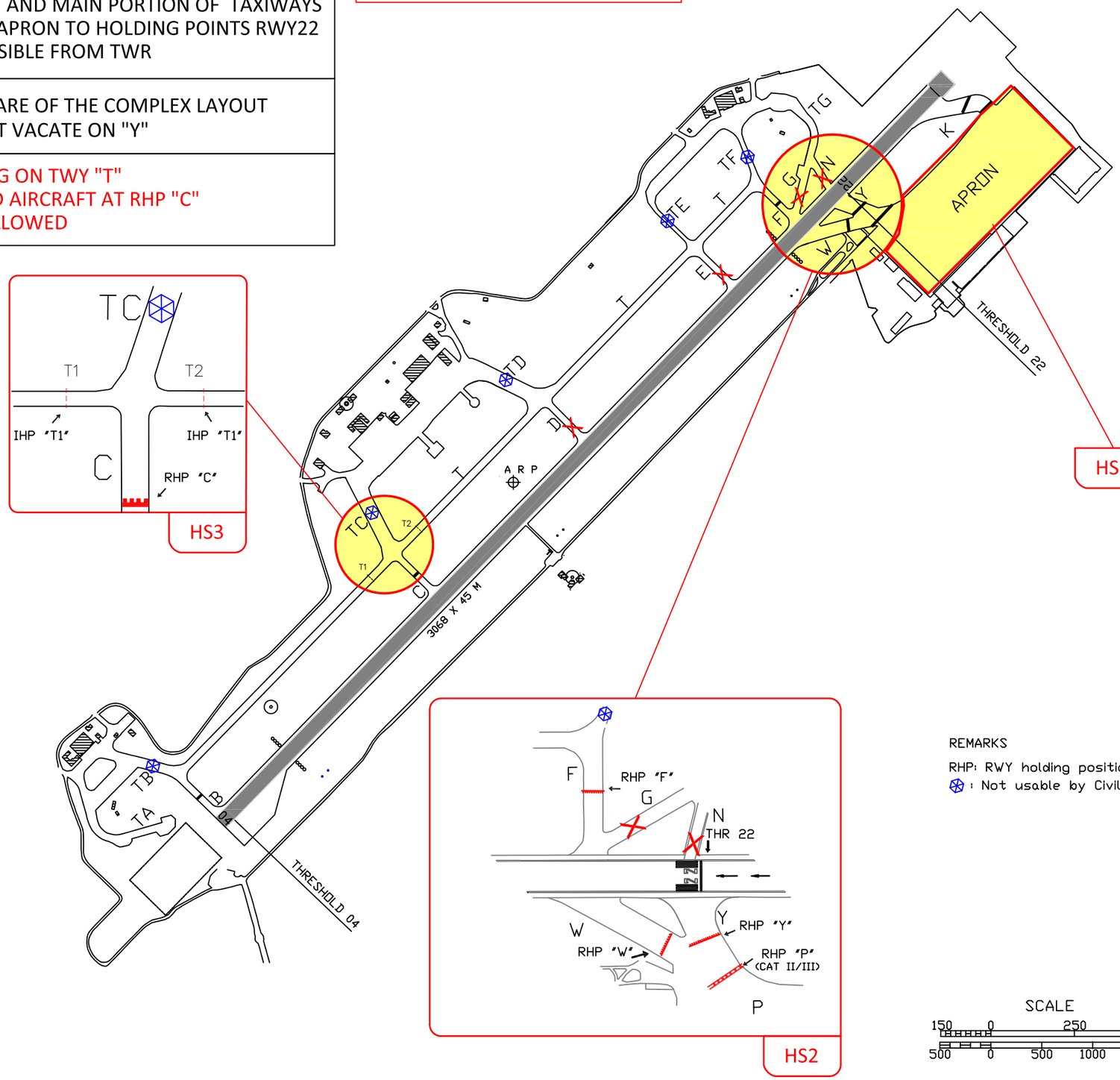
– NON–PRECISION INSTRUMENTAL RWY04

ATC SERVICES	
TWR 118.650	GND 121.750

AD ELEV 240	VERONA / VILLAFRANCA
APRON ELEV 232	L I P X 45°23′ 47″N 010° 53′ 16″E

HOT SPOT	DESCRIPTION
HS1	APRON AND MAIN PORTION OF TAXIWAYS FROM APRON TO HOLDING POINTS RWY22 NOT VISIBLE FROM TWR
HS2	BE AWARE OF THE COMPLEX LAYOUT DO NOT VACATE ON "Y"
HS3	TAXIING ON TWY "T" BEHIND AIRCRAFT AT RHP "C" NOT ALLOWED

WORKS - PHASE 5

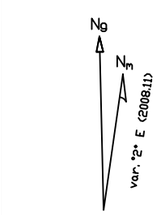


CHANGE: WIP PHASE 5

REMARKS

RHP: RWY holding position

⊛ : Not usable by Civil Aircraft



(Annual rate of change: 6′ E)

SCALE

150 0 250 500 Metres

500 0 500 1000 1500 Feet

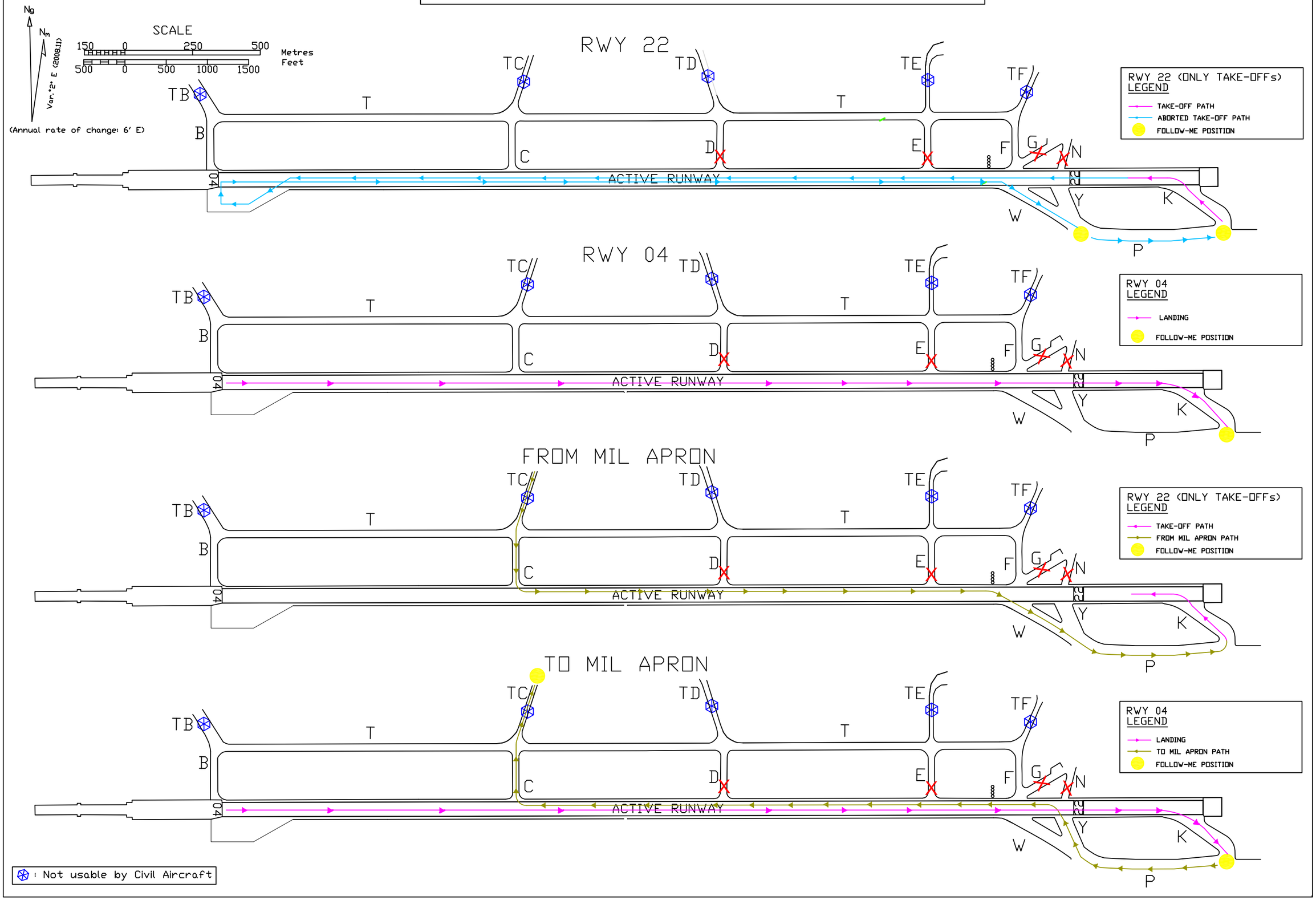
ATC SERVICES	
TWR 118.650	GND 121.750

WORKS - PHASE 5

WARNING : DIFFERENT ROUTINGS COULD BE AUTHORIZED AT ATC DESCRETION

AD ELEV 240	VERONA / VILLAFRANCA	
APRON ELEV 232	L I P X	45° 23′ 47″N 010° 53′ 16″E

CHANGE: WIP PHASE 5



Dimensioni ed altitudini in metri
Dimensions and elevations in metres

CARTA DEGLI OSTACOLI DI AERODROMO TIPO A OACI – Limitazioni Operative
AERODROME OBSTACLE CHART ICAO TYPE A – Operating Limitations

ITALY – VERONA/VILLAFRANCA

RWY 04/22

CHANGE: WORKS – PHASE 5

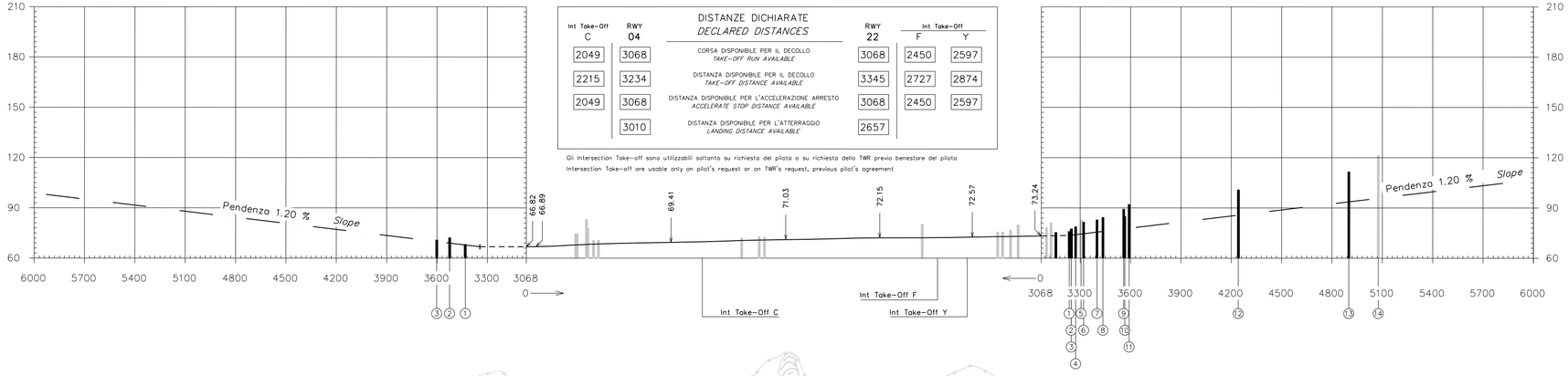
Declinazione magnetica: 2° E 2005.0
Magnetic variation:

Italian Magnetic model 2005

Annual rate of change: 6' E

CONSULTARE I NOTAM PER LE ULTIME INFORMAZIONI
CONSULT NOTAM FOR LATEST INFORMATION

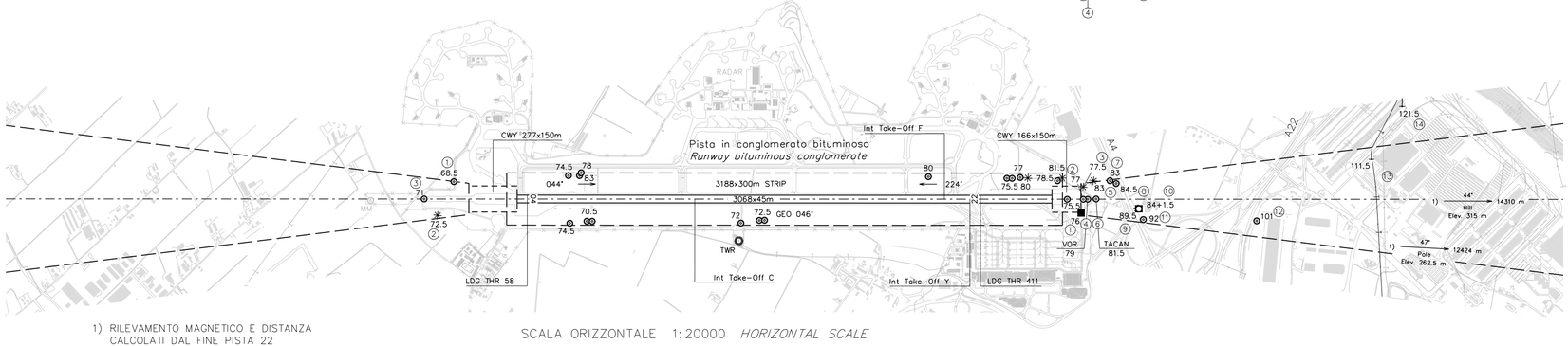
LEGENDA *LEGEND*	PIANTA *PLAN*	PROFILO *PROFILE*
Numero di identificazione *Identification number*	1	1
Profilo ostacoli situati nell'area di decollo *Obstructions within the take-off flight path area*		
Profilo ostacoli situati fuori dell'area di decollo *Obstructions beyond the take-off flight path area*		
Altitudine dell'ostacolo ed altezza dell'antenna se esistente *Obstacle altitude and antenna height if available*	56+1.5	
Edificio o costruzione importante *Building or large structure*		
Palo, torre, campanile, antenna, ciminiera *Pole, tower, spire, antenna, chimney*		
Traliccio *Lattice*		
Gru *Crane*		
Albero o arbusto – Gruppo di alberi *Tree or shrub – Wooded areas*		
Centro abitato *Built-up area*		
Ferrovia (uno o due binari) *Railroad (one or more tracks)*		
Linea trasporto energia elettrica – cavo sospeso *Transmission line – Overhead cable*		
Recinzione *Fence*		
Terreno sporgente dal piano ostacoli *Terrain penetrating obstruction plane*		



Int Take-Off C	RWY 04	DISTANZE DICHIARATE *DECLARED DISTANCES*	RWY 22	Int Take-Off F	Int Take-Off Y
2049	3068	CORSA DISPONIBILE PER IL DECOLLO *TAKE-OFF RUN AVAILABLE*	3068	2450	2597
2215	3234	DISTANZA DISPONIBILE PER IL DECOLLO *TAKE-OFF DISTANCE AVAILABLE*	3345	2727	2874
2049	3068	DISTANZA DISPONIBILE PER L'ACCELERAZIONE ARRESTO *ACCELERATE STOP DISTANCE AVAILABLE*	3068	2450	2597
	3010	DISTANZA DISPONIBILE PER L'ATTERRAGGIO *LANDING DISTANCE AVAILABLE*	2657		

Gli Intersection Take-off sono utilizzabili soltanto su richiesta del pilota o su richiesta della TWR previo benestare del pilota
Intersection Take-off are usable only on pilot's request or on TWR's request, previous pilot's agreement

SCALA VERTICALE
VERTICAL SCALE
1:2000
METRI *METRES* 0 25 50 75
PIEDI *FEET* 0 50 100 150 200 250



1) RILEVAMENTO MAGNETICO E DISTANZA CALCOLATI DAL FINE PISTA 22

1) MAGNETIC BEARING AND DISTANCE COMPUTED FROM RWY END 22

SCALA ORIZZONTALE 1:20000 *HORIZONTAL SCALE*

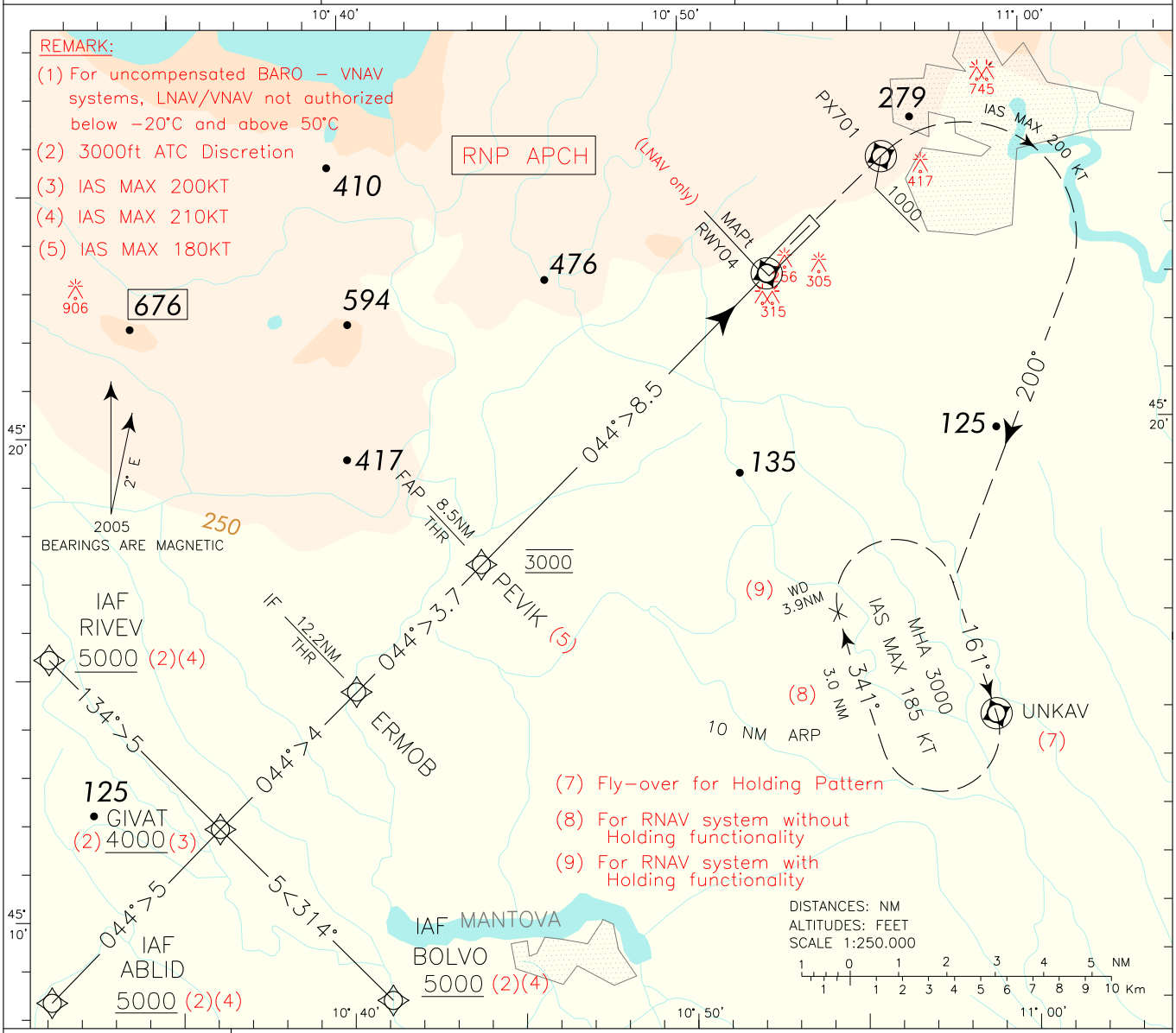
METRI *METRES* 0 500 1000 1500 2000 2500 3000

PIEDI *FEET* 0 1000 2000 3000 4000 5000 6000 7000 8000 9000 10000

Le precisioni della carta sono quelle descritte nell'Annesso 4 ICAO, Capitolo 3.9
Accuracies on the chart are specified in ICAO Annex 4, Chapter 3.9

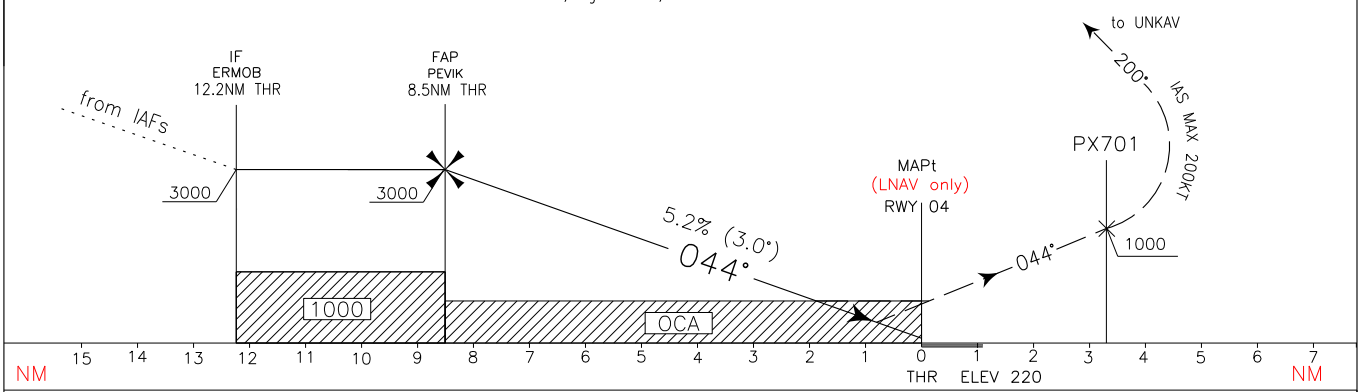
VARIANTI *AMENDMENT RECORD*		
N.	DATA *DATE*	REGISTRATO DA *ENTERED BY*

APP Verona APP/Radar	135.900 124.250	AD ELEV	LIPX	VERONA/VILLAFRANCA
TWR Villafranca TWR	118.550 118.650	240		RNAV (GNSS) RWY 04



TRANSITION ALT 6000

MISSED APPROACH: Maintaining final TR 044°, climb to 3000 ft. At PX701 (D1.5 after VIL TACAN, at 1000 ft or above) turn right on TR 200° to join and follow TR 161° bound to UNKAV missed approach holding pattern. Hold at 3000 ft, inbound TR 161°, right turns, IAS MAX 185 kt.

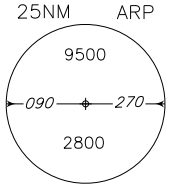


OCA (OCH)		A	B	C	D
STRAIGHT IN APPROACH	LNAV/VNAV	570 (350)	580 (360)	590 (370)	600 (380)
	LNAV	650 (430)			
CIRCLING (6)		800 (560)		950 (710)	1100 (860)

(6) REMARK: Circling allowed South-East of the RWY only.

GS	FT PER MIN	DIST THR 04	ALT (HGT)
80	425	7 NM	2500 (2280)
100	530	6 NM	2180 (1960)
120	635	5 NM	1865 (1645)
140	745	4 NM	1545 (1325)
160	850	3 NM	1225 (1005)
180	955	2 NM	905 (685)

MNM SECT ALT 25NM ARP



DOC.8168-ED.6-2014 AMDT 7

TEMPORARY PROCEDURE FOR PHASE 5

RNAV (GNSS) RWY04 – Instrument Approach Procedure via ABLID

Path Terminator	Waypoint identifier	Flyover	Course/Track °M (°T)	Turn Direction	Altitude Constraint (ft)	Speed Limit (kt)/Bank Angle	Recommended Navaid	Bearing/ Range from Navaid	Distance from THR (NM)	Remarks
IF	ABLID	-	-	-	+5000 (4)	210	-	-	21.2	-
TF	GIVAT	-	044 (045.1)	-	+4000 (4)	200	-	-	16.2	-
TF	ERMOB	-	044 (045.9)	-	+3000	-	-	-	12.2	-
TF	PEVIK	-	044 (045.6)	-	@3000	180	-	-	8.5	-
TF	THR 04	Y	044 (045.6)	-	-	-	-	-	-	MAPt (1)
TF	PX701	Y	044 (045.7)	-	+1000	200	-	-	-	-
VI	-	-	200 (202.0)	-	-	-	-	-	-	-
CF	UNKAV	-	161 (163.1)	-	+3000	-185	-	-	-	-
HM	UNKAV	Y	161 (163.1)	R	+3000	-185	-	-	-	-

RNAV (GNSS) RWY04 – Instrument Approach Procedure via BOLVO

Path Terminator	Waypoint identifier	Flyover	Course/Track °M (°T)	Turn Direction	Altitude Constraint (ft)	Speed Limit (kt)/Bank Angle	Recommended Navaid	Bearing/ Range from Navaid	Distance from THR (NM)	Remarks
IF	BOLVO	-	-	-	+5000 (4)	210	-	-	-	-
TF	GIVAT	-	314 (315.9)	-	+4000 (4)	200	-	-	16.2	-
TF	ERMOB	-	044 (045.9)	-	+3000	-	-	-	12.2	-
TF	PEVIK	-	044 (045.6)	-	@3000	180	-	-	8.5	-
TF	THR 04	Y	044 (045.6)	-	-	-	-	-	-	MAPt (1)
TF	PX701	Y	044 (045.7)	-	+1000	200	-	-	-	-
VI	-	-	200 (202.0)	-	-	-	-	-	-	-
CF	UNKAV	-	161 (163.1)	-	+3000	-185	-	-	-	-
HM	UNKAV	Y	161 (163.1)	R	+3000	-185	-	-	-	-

RNAV (GNSS) RWY04 – Instrument Approach Procedure via RIVEV

Path Terminator	Waypoint identifier	Flyover	Course/Track °M (°T)	Turn Direction	Altitude Constraint (ft)	Speed Limit (kt)/Bank Angle	Recommended Navaid	Bearing/ Range from Navaid	Distance from THR (NM)	Remarks
IF	RIVEV	-	-	-	+5000 (4)	210	-	-	-	-
TF	GIVAT	-	134 (135.7)	-	+4000 (4)	200	-	-	16.2	-
TF	ERMOB	-	044 (045.9)	-	+3000	-	-	-	12.2	-
TF	PEVIK	-	044 (045.6)	-	@3000	180	-	-	8.5	-
TF	THR 04	Y	044 (045.6)	-	-	-	-	-	-	MAPt (1)
TF	PX701	Y	044 (045.7)	-	+1000	200	-	-	-	-
VI	-	-	200 (202.0)	-	-	-	-	-	-	-
CF	UNKAV	-	161 (163.1)	-	+3000	-185	-	-	-	-
HM	UNKAV	Y	161 (163.1)	R	+3000	-185	-	-	-	-

Missed Approach Holding RNAV UNKAV

Path Terminator	Waypoint identifier	Inbound Course °M(°T)	Leg Distance (NM) (2)	Timing(min.)/ Waypoint Distance (NM) (3)	Turn Direction	Minimum Altitude (FT)	Maximum Altitude (FL)	Speed Limit (kt)	Magnetic Variation (°)	Navigation Performance
HM	UNKAV	161 (163)	3.0	- / 3.9	R	3000	-	185	2.0	RNAV 1

REMARKS

(1) **For LNAV only**
(2) **RNAV system with holding functionality**
(3) **RNAV system without holding functionality**
(4) **3000 FT ATC Discretion**

Waypoints Table formatted according ARINC 424 standards

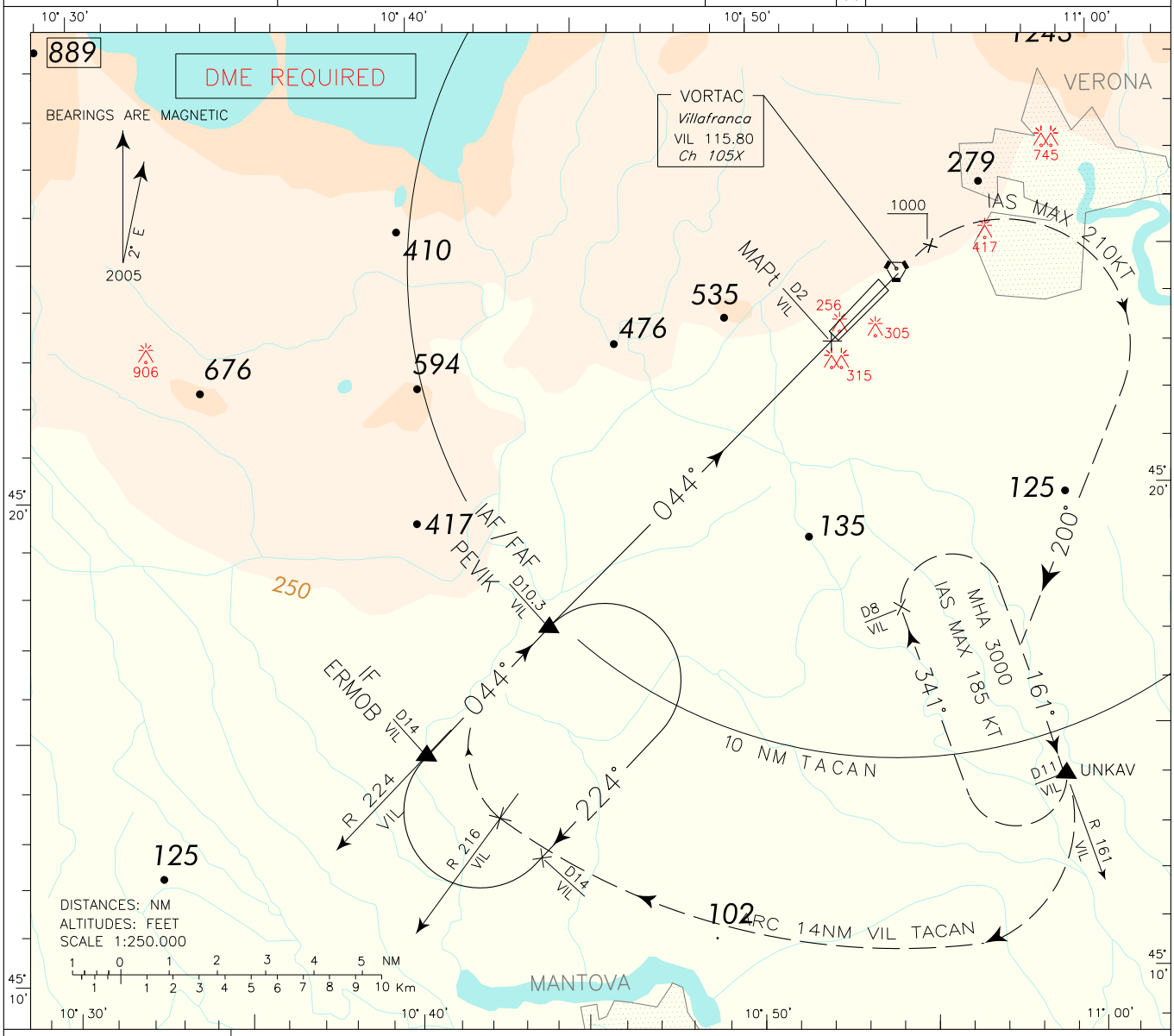
Waypoint	Latitude	Longitude
PX701	N45253229	E010555556

Intenzionalmente bianca

Intentionally left blank

DOC.8168–ED.6–2014

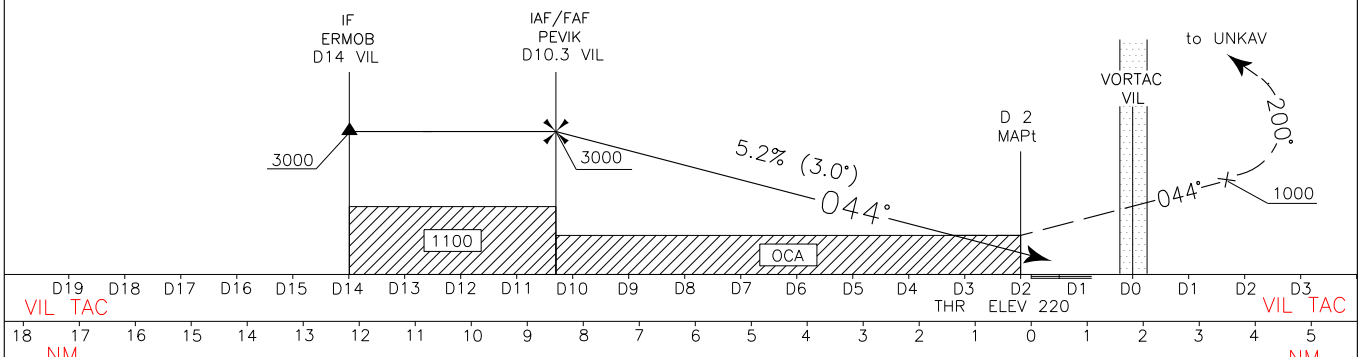
APP Verona APP/Radar TWR Villafranca TWR	135.900 124.250 118.550 118.650	AD ELEV 240	LIPX VERONA/VILLAFRANCA VOR RWY 04



TEMPORARY PROCEDURE FOR PHASE 5

TRANSITION ALT 6000

MISSED APPROACH: Maintaining final TR 044° climb to 3000 ft. Passing VIL VORTAC or 1000ft, whichever is later, turn right TR 200° (IAS MAX 210KT) to join RDL 161 VIL VOR bound to UNKAV missed approach holding pattern. Hold on RDL 161 VIL VOR at 3000 ft between 11 NM and 8 NM VIL TACAN; Inbound TR 161°; right turns; IAS MAX 185KT.

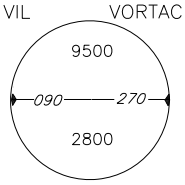


OCA (OCH)		A	B	C	D
STRAIGHT IN APPROACH	VOR	820 (600)			
CIRCLING (1)		830 (590)		950 (710)	1100 (860)

(1) REMARK: Circling allowed South East of the RWY only.

GS	FT PER MIN	DIST VIL TACAN	ALT (HGT)
80	425	10.3 NM	3000 (2780)
100	530	9 NM	2590 (2370)
120	635	8 NM	2270 (2050)
140	745	7 NM	1950 (1730)
160	850	6 NM	1630 (1410)
180	955	5 NM	1310 (1090)
		4 NM	990 (770)
		3 NM	670 (450)

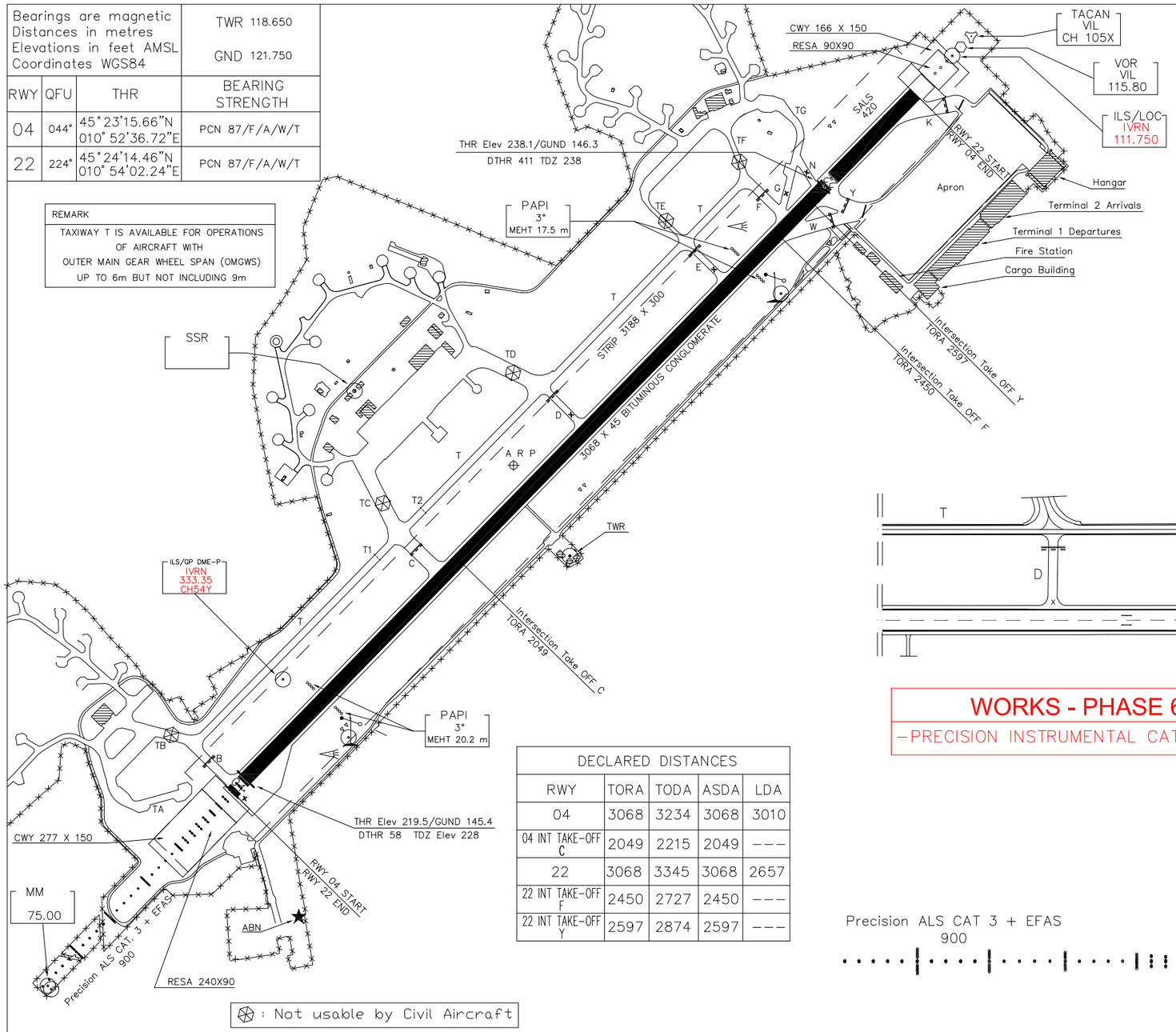
MNM SECT ALT
VIL VORTAC



Bearings are magnetic Distances in metres Elevations in feet AMSL Coordinates WGS84			TWR 118.650 GND 121.750
RWY	QFU	THR	BEARING STRENGTH
04	044°	45°23'15.66"N 010°52'36.72"E	PCN 87/F/A/W/T
22	224°	45°24'14.46"N 010°54'02.24"E	PCN 87/F/A/W/T

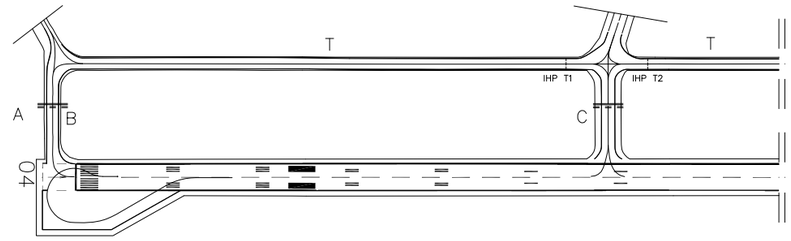
AD ELEV 240	VERONA / VILLAFRANCA	
APRON ELEV 232	L I P X	45°23' 47"N 010°53' 16"E

REMARK
TAXIWAY T IS AVAILABLE FOR OPERATIONS OF AIRCRAFT WITH OUTER MAIN GEAR WHEEL SPAN (OMGWS) UP TO 6m BUT NOT INCLUDING 9m

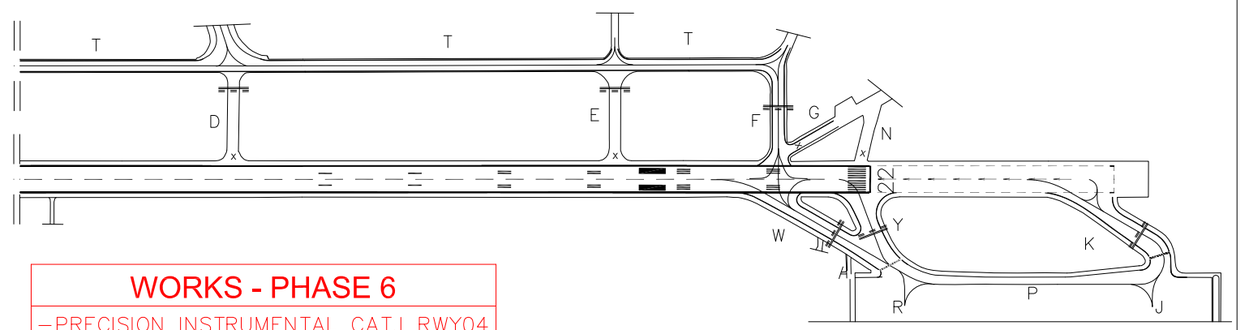


DECLARED DISTANCES				
RWY	TORA	TODA	ASDA	LDA
04	3068	3234	3068	3010
04 INT TAKE-OFF C	2049	2215	2049	---
22	3068	3345	3068	2657
22 INT TAKE-OFF F	2450	2727	2450	---
22 INT TAKE-OFF Y	2597	2874	2597	---

MARKING AIDS (Not to scale)

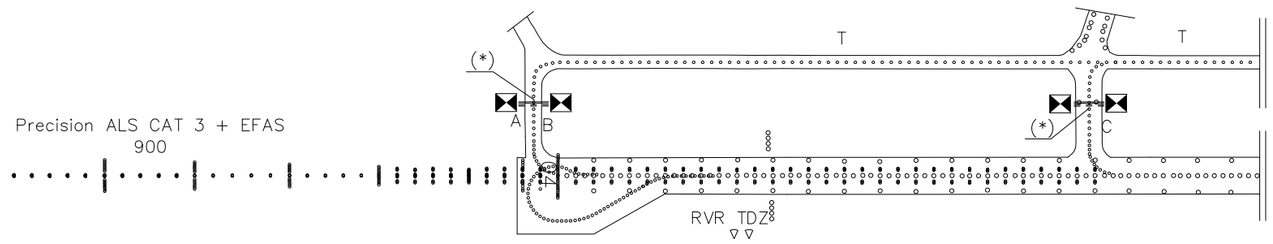


MARKING AIDS (Not to scale)

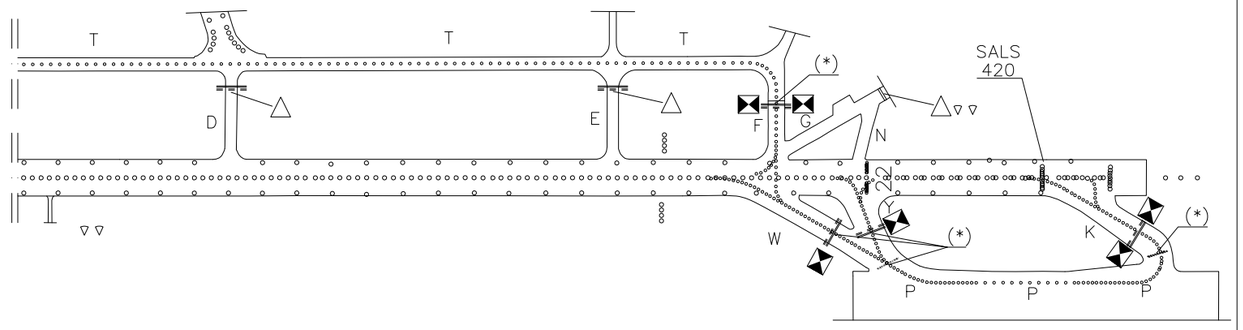


WORKS - PHASE 6
–PRECISION INSTRUMENTAL CAT.I RWY04

LIGHTING AIDS (Not to scale)



LIGHTING AIDS (Not to scale)



CHANGE: WIP PHASE 6

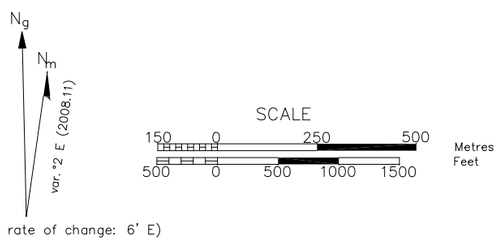
IDENT	WIDTH	SURFACE	BEARING STRENGTH
B	15	Asphalt	PCN73/F/A/W/T
C	23	Asphalt	PCN81/F/A/W/U
D	NIL	Asphalt	PCN87/F/A/W/T
E	NIL	Asphalt	PCN81/F/A/W/T
F	15	Asphalt	PCN73/F/A/W/T
G	NIL	Asphalt Concrete	NIL
K	28	Asphalt	PCN90/F/A/W/T
N	NIL	Asphalt Concrete	NIL
T	15	Asphalt	PCN73/F/A/W/T
W	23	Asphalt	PCN90/F/A/W/T
Y	30	Asphalt	PCN100/F/A/W/T

⊗ : Not usable by Civil Aircraft

(*) STOP BAR

(**) IHP

△ RED FIXED LIGHT



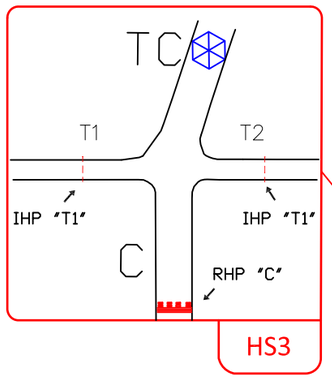
(Annual rate of change: 6' E)

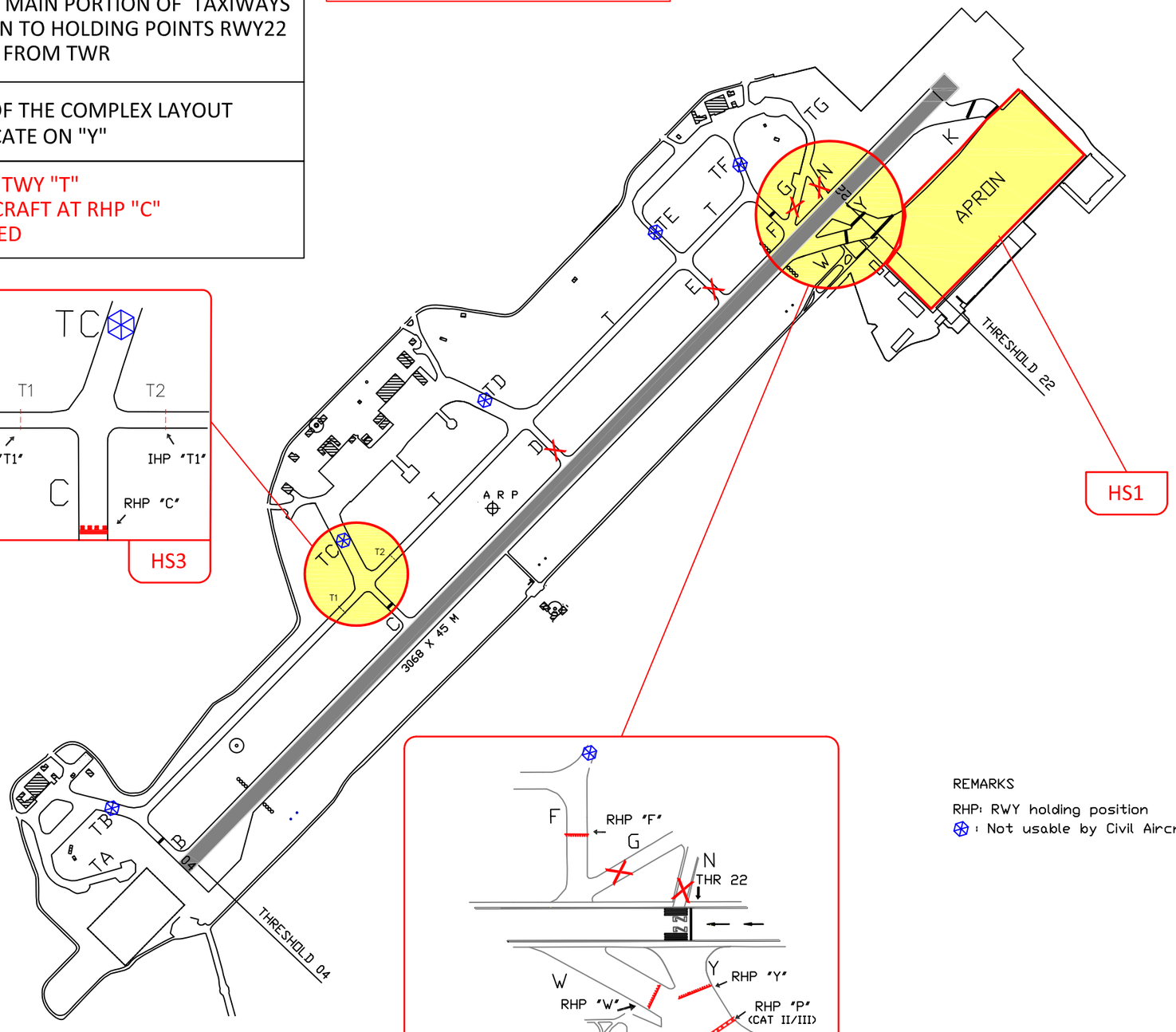
ATC SERVICES	
TWR 118.650	GND 121.750

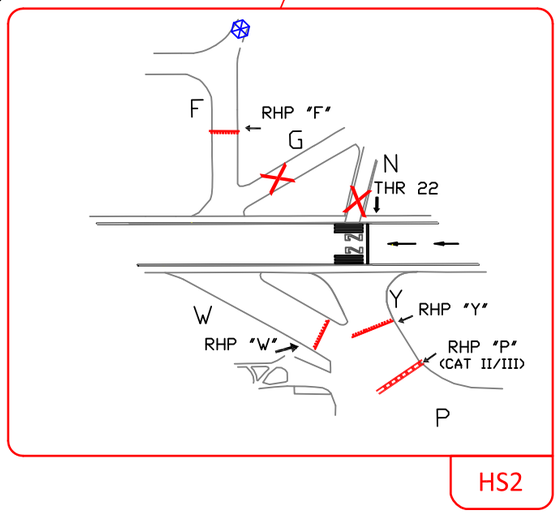
AD ELEV 240	VERONA / VILLAFRANCA
APRON ELEV 232	L I P X 45°23′ 47″N 010° 53′ 16″E

HOT SPOT	DESCRIPTION
HS1	APRON AND MAIN PORTION OF TAXIWAYS FROM APRON TO HOLDING POINTS RWY22 NOT VISIBLE FROM TWR
HS2	BE AWARE OF THE COMPLEX LAYOUT DO NOT VACATE ON "Y"
HS3	TAXIING ON TWY "T" BEHIND AIRCRAFT AT RHP "C" NOT ALLOWED

WORKS - PHASE 6



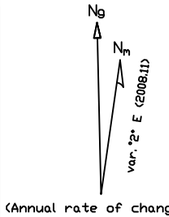




REMARKS

RHP: RWY holding position

⊛ : Not usable by Civil Aircraft



(Annual rate of change: 6′ E)

SCALE

150 0 250 500 Metres

500 0 500 1000 1500 Feet

CHANGE: WIP PHASE 6

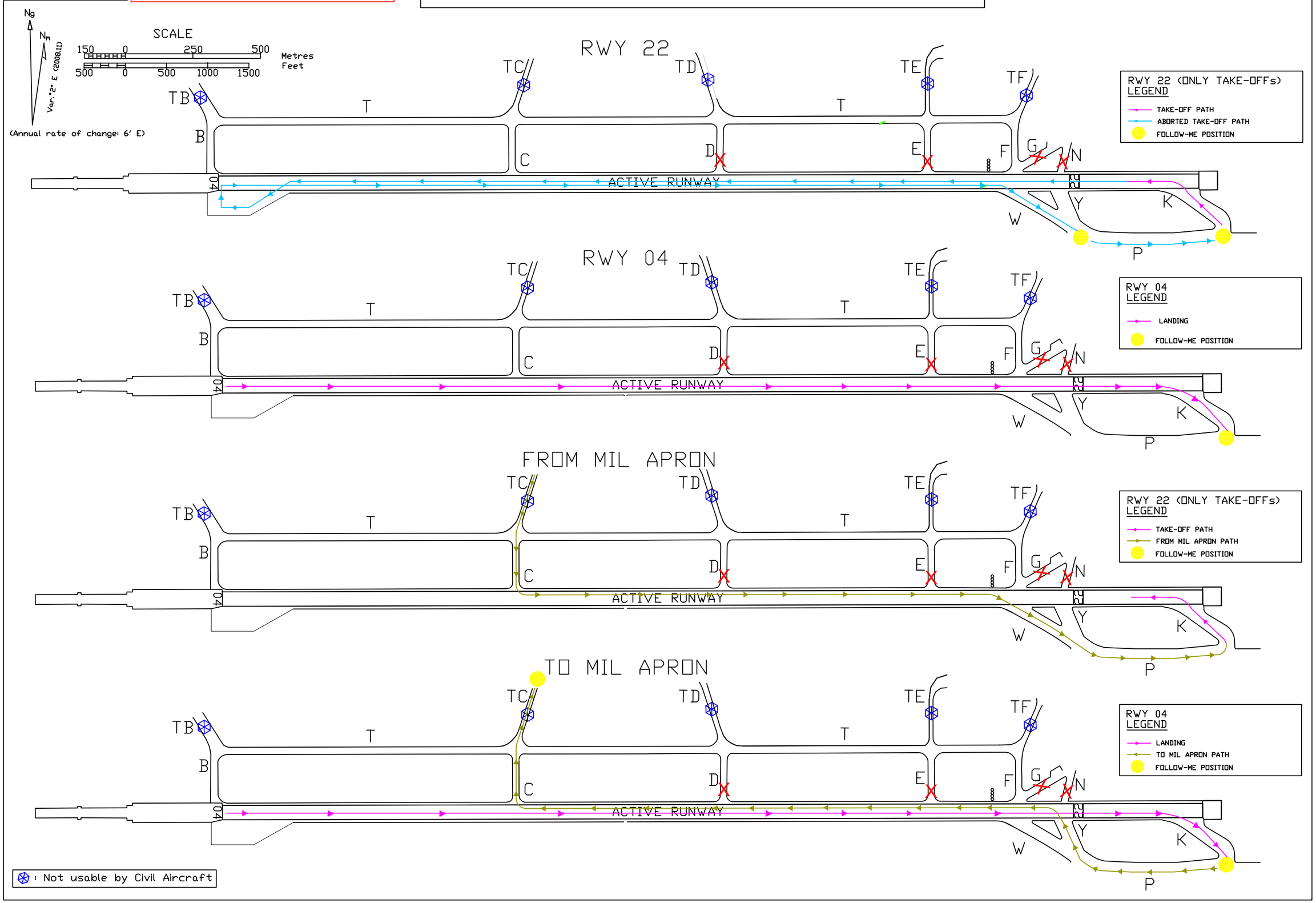
ATC SERVICES	
TWR 118.650	GND 121.750

WORKS - PHASE 6

WARNING : DIFFERENT ROUTINGS COULD BE AUTHORIZED AT ATC DESCRETION

AD ELEV 240	VERONA / VILLAFRANCA	
APRON ELEV 232	L I P X	45° 23′ 47″N 010° 53′ 16″E

CHANGE: WIP PHASE 6



Dimensioni ed altitudini in metri
Dimensions and elevations in metres

CARTA DEGLI OSTACOLI DI AERODROMO TIPO A OACI – Limitazioni Operative
AERODROME OBSTACLE CHART ICAO TYPE A – Operating Limitations

ITALY – VERONA/VILLAFRANCA

RWY 04/22

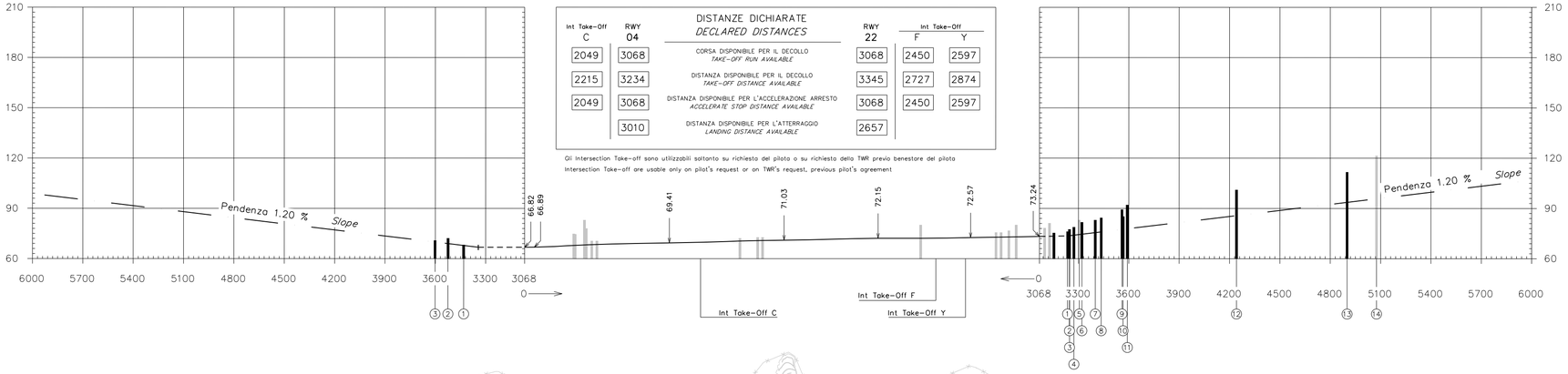
Declinazione magnetica:
Magnetic variation: 2° E 2005.0

Italian Magnetic model 2005

Annual rate of change: 6' E

CONSULTARE I NOTAM PER LE ULTIME INFORMAZIONI
CONSULT NOTAM FOR LATEST INFORMATION

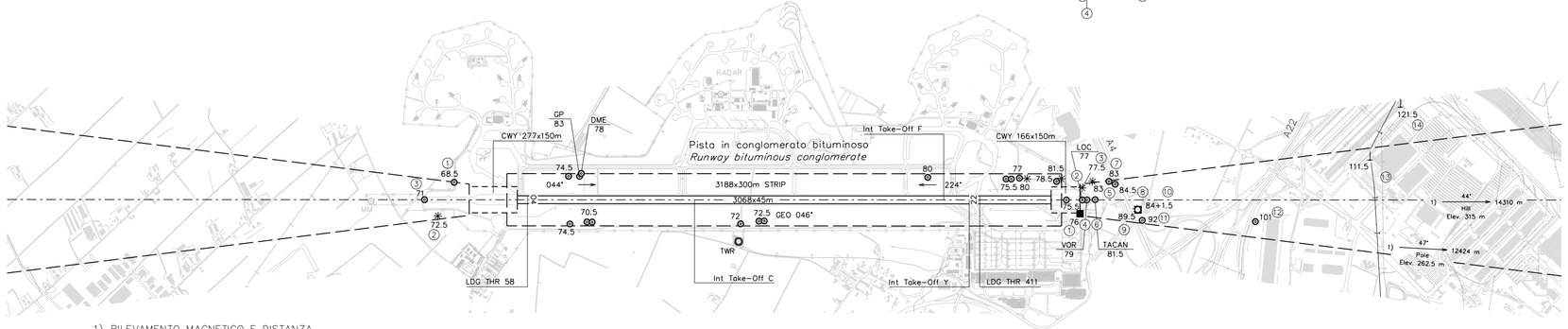
LEGENDA *LEGEND*	PIANTA *PLAN*	PROFILO *PROFILE*
Numero di identificazione *Identification number*	1	1
Profilo ostacoli situati nell'area di decollo *Obstructions within the take-off flight path area*		
Profilo ostacoli situati fuori dell'area di decollo *Obstructions beyond the take-off flight path area*		
Altitudine dell'ostacolo ed altezza dell'antenna se esistente *Obstacle altitude and antenna height if available*	56+1.5	
Edificio o costruzione importante *Building or large structure*		
Palo, torre, campanile, antenna, ciminiera *Pole, tower, spire, antenna, chimney*		
Traliccio *Lattice*		
Gru *Crane*		
Albero o arbusto – Gruppo di alberi *Tree or shrub – Wooded areas*		
Centro abitato *Built-up area*		
Ferrovia (uno o due binari) *Railroad (one or more tracks)*		
Linea trasporto energia elettrica – cavo sospeso *Transmission line – Overhead cable*		
Recinzione *Fence*		
Terreno sporgente dal piano ostacoli *Terrain penetrating obstruction plane*		



Int Take-Off C	RWY 04	DISTANZE DICHIARATE *DECLARED DISTANCES*	RWY 22	Int Take-Off F	Int Take-Off Y
2049	3068	CORSA DISPONIBILE PER IL DECOLLO *TAKE-OFF RUN AVAILABLE*	3068	2450	2597
2215	3234	DISTANZA DISPONIBILE PER IL DECOLLO *TAKE-OFF DISTANCE AVAILABLE*	3345	2727	2874
2049	3068	DISTANZA DISPONIBILE PER L'ACCELERAZIONE ARRESTO *ACCELERATE STOP DISTANCE AVAILABLE*	3068	2450	2597
	3010	DISTANZA DISPONIBILE PER L'ATTERRAGGIO *LANDING DISTANCE AVAILABLE*	2657		

Gli Intersection Take-off sono utilizzabili soltanto su richiesta del pilota o su richiesta della TWR previo benestare del pilota
Intersection Take-off are usable only on pilot's request or on TWR's request, previous pilot's agreement

SCALA VERTICALE
VERTICAL SCALE
1:2000
METRI *METRES* 75 50 25 0
PIEDI *FEET* 250 200 150 100 50 0



1) RILEVAMENTO MAGNETICO E DISTANZA CALCOLATI DAL FINE PISTA 22

1) MAGNETIC BEARING AND DISTANCE COMPUTED FROM RWY END 22

SCALA ORIZZONTALE 1:20000 *HORIZONTAL SCALE*

METRI *METRES* 0 500 1000 1500 2000 2500 3000

PIEDI *FEET* 0 1000 2000 3000 4000 5000 6000 7000 8000 9000 10000

Le precisioni della carta sono quelle descritte nell'Annesso 4 ICAO, Capitolo 3.9

Accuracies on the chart are specified in ICAO Annex 4, Chapter 3.9

VARIANTI *AMENDMENT RECORD*		
N.	DATA *DATE*	REGISTRATO DA *ENTERED BY*

CHANGE: WORKS – PHASE 6

DOC.8168–ED.6–2014 AMDT 7

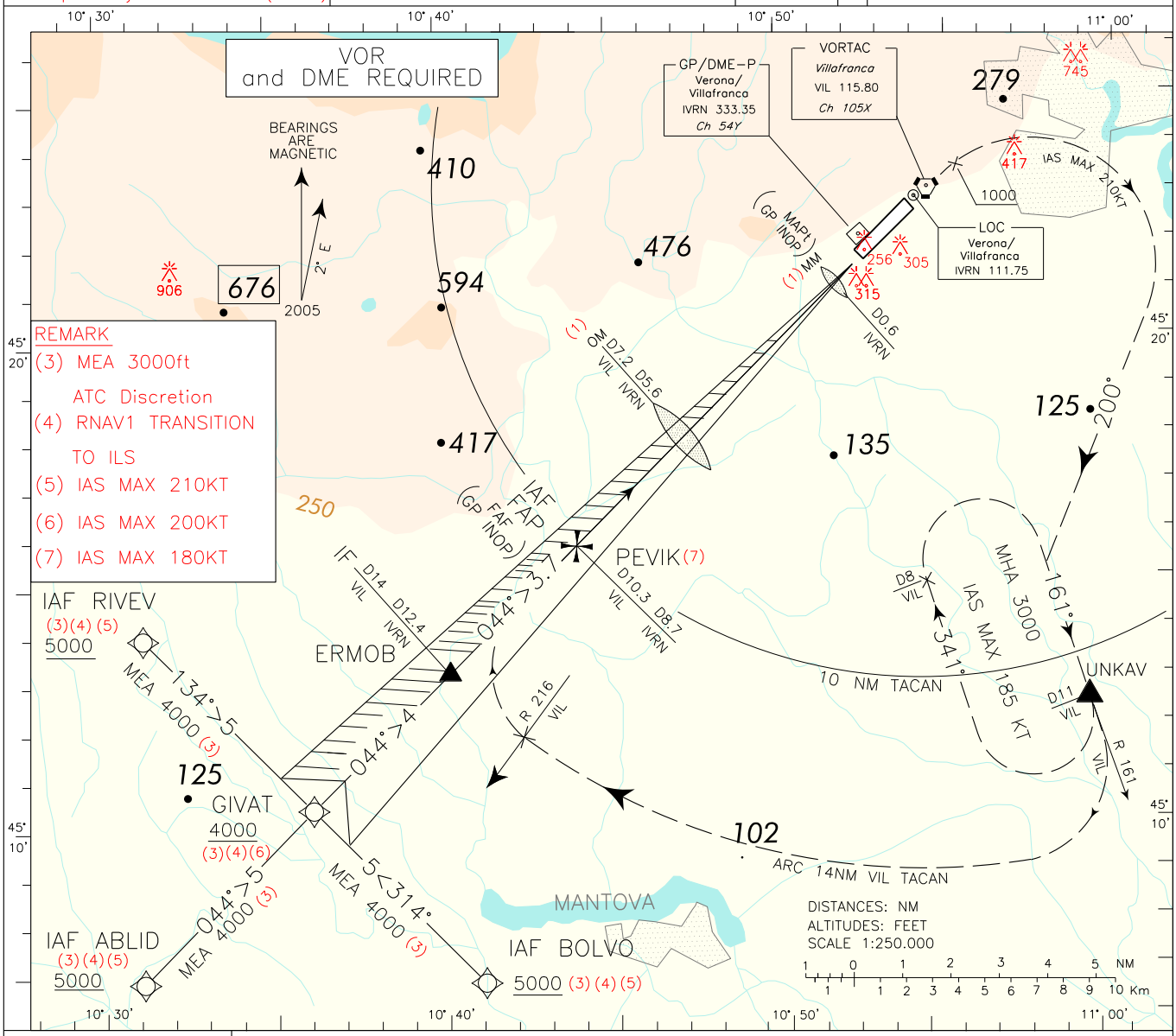
TEMPORARY PROCEDURE FOR PHASE 6

REMARK
(1) During OM/MM failure:
- OM replaced by D5.6 IVRN DME or D7.2 VIL TACAN (2025 ft)
- MM replaced by D0.6 IVRN DME (433 ft)

APP Verona APP/Radar	135.900
	124.250
	118.550
TWR Villafranca TWR	118.650

AD ELEV 240 — LIPX

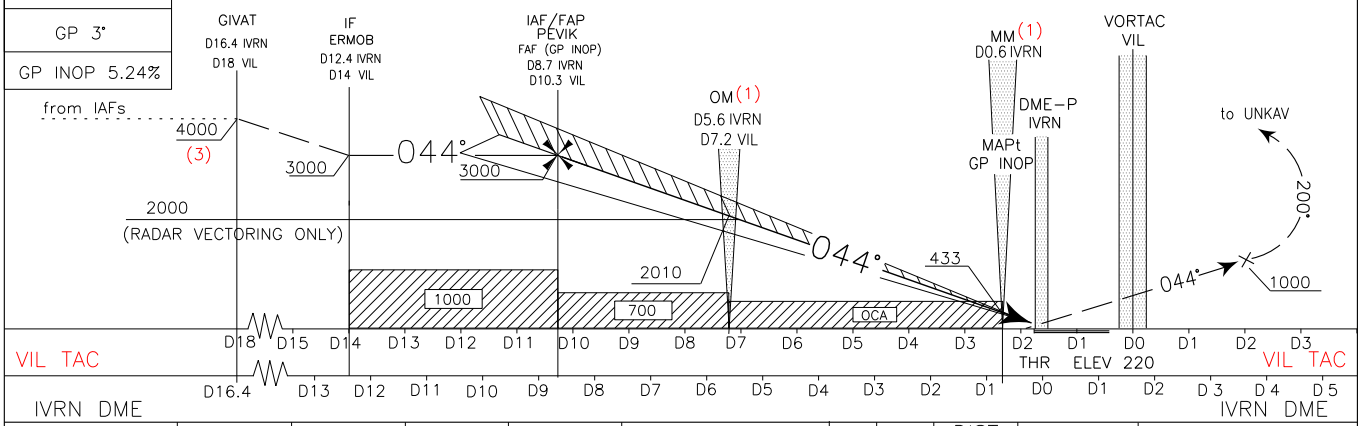
VERONA/ VILLAFRANCA ILS RWY 04



TRANSITION ALT 6000

MISSED APPROACH: Maintaining final TR 044°, climb to 3000 ft. Passing VIL VORTAC or 1000 ft, whichever is later, turn right TR 200° (IAS MAX 210KT) to join RDL 161 VIL VOR bound to UNKAV missed approach holding pattern.
Hold on RDL 161 VIL VOR at 3000ft, between 11NM and 8NM VIL TACAN; inbound TR 161°, right turns, IAS MAX 185KT.

RDH 17.45 M
GP 3°
GP INOP 5.24%



OCA (OCH)		A	B	C	D
STRAIGHT IN APPROACH	ILS CAT I	420 (200)		422 (202)	433 (213)
	ILS CAT II Radio Altimeter only	320 (100)	331 (111)	343 (123)	357 (137)
	ILS CAT III	257 (37)			
	GP INOP	570 (350)			
CIRCLING (2)		800 (560)		950 (710)	1100 (860)

(2) REMARK: Circling allowed South–East of the RWY only.

GS	FT PER MIN
80	425
100	530
120	635
140	745
160	850
180	955

DIST VIL TACAN	ALT (HGT)
10.3 NM	3000 (2780)
9 NM	2590 (2370)
8 NM	2270 (2050)
7 NM	1950 (1730)
6 NM	1630 (1410)
5 NM	1310 (1090)
4 NM	990 (770)
3 NM	670 (450)

MNM SECT ALT VIL VORTAC
9500
090 270
2800

RNAV TRANSITION TO ILS APPROACH via ABLID

Path Terminator	Waypoint identifier	Flyover	Course/Track °M (°T)	Turn Direction	Altitude Constraint (ft)	Speed Limit (kt)/Bank Angle	Recommended Navaid	Bearing/ Range from Navaid	Distance from THR (NM)	Navigation Performance
IF	ABLID	-	-	-	+5000 (1)	210	-	-	21.2	RNAV 1
TF	GIVAT	-	044 (045.1)	-	+4000 (1)	200	-	-	16.2	RNAV 1
TF	ERMOB	-	044 (045.9)	-	+3000	-	-	-	12.2	RNAV 1

RNAV TRANSITION TO ILS APPROACH via BOLVO

Path Terminator	Waypoint identifier	Flyover	Course/Track °M (°T)	Turn Direction	Altitude Constraint (ft)	Speed Limit (kt)/Bank Angle	Recommended Navaid	Bearing/ Range from Navaid	Distance from THR (NM)	Navigation Performance
IF	BOLVO	-	-	-	+5000 (1)	210	-	-	-	RNAV 1
TF	GIVAT	-	314 (315.9)	-	+4000 (1)	200	-	-	16.2	RNAV 1
TF	ERMOB	-	044 (045.9)	-	+3000	-	-	-	12.2	RNAV 1

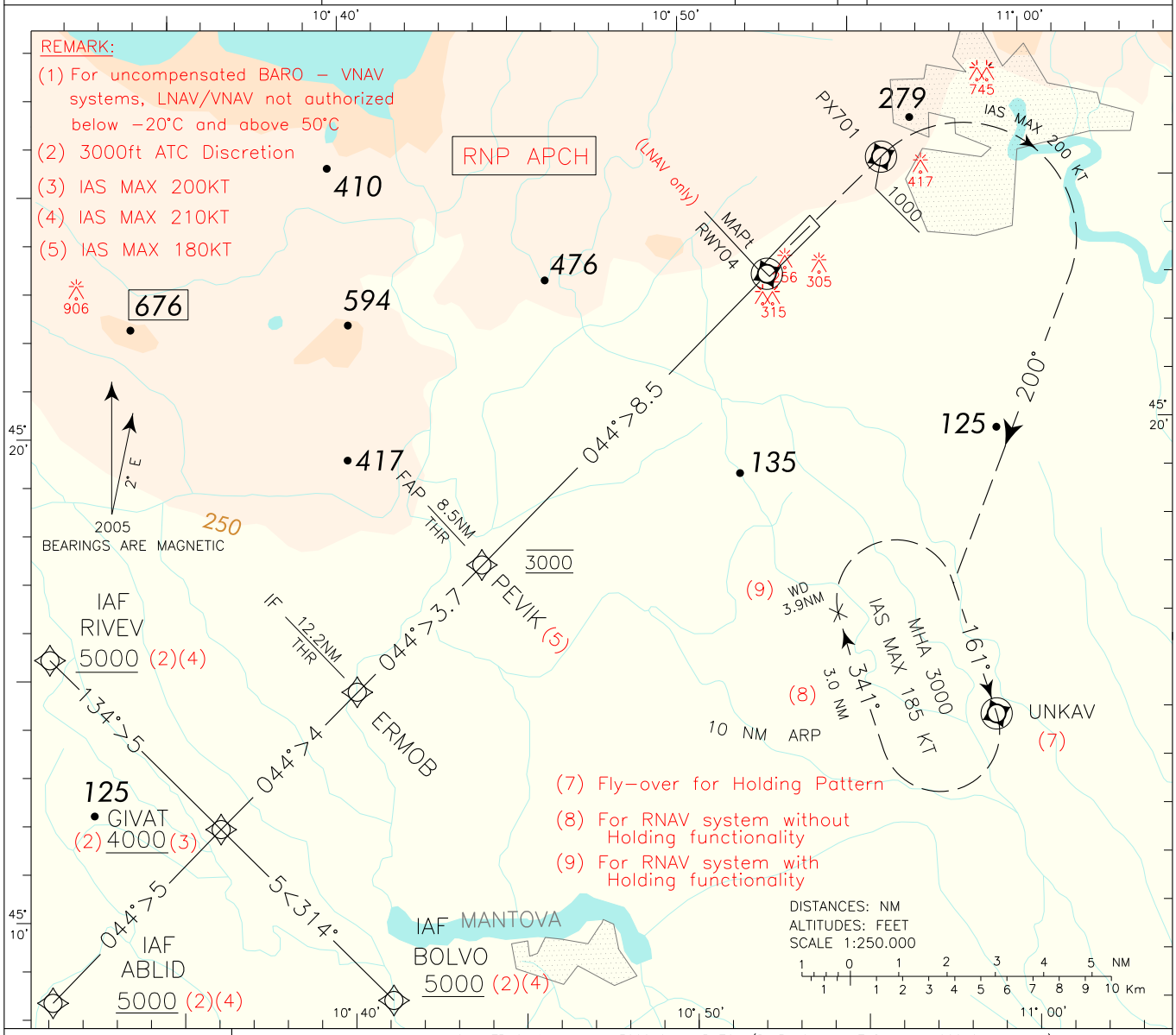
RNAV TRANSITION TO ILS APPROACH via RIVEV

Path Terminator	Waypoint identifier	Flyover	Course/Track °M (°T)	Turn Direction	Altitude Constraint (ft)	Speed Limit (kt)/Bank Angle	Recommended Navaid	Bearing/ Range from Navaid	Distance from THR (NM)	Navigation Performance
IF	RIVEV	-	-	-	+5000 (1)	210	-	-	-	RNAV 1
TF	GIVAT	-	134 (135.7)	-	+4000 (1)	200	-	-	16.2	RNAV 1
TF	ERMOB	-	044 (045.9)	-	+3000	-	-	-	12.2	RNAV 1

REMARKS

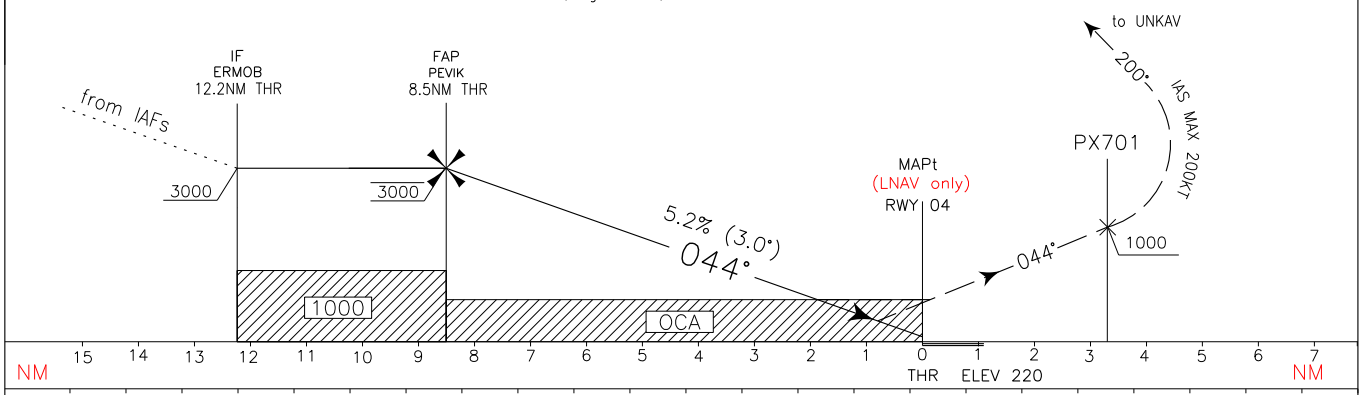
(1) **3000 FT ATC Discretion**

APP Verona APP/Radar	135.900	AD ELEV	LIPX	VERONA/VILLAFRANCA
	124.250			
	118.550	240		RNAV (GNSS) RWY 04
TWR Villafranca TWR	118.650			



TRANSITION ALT 6000

MISSED APPROACH: Maintaining final TR 044°, climb to 3000 ft. At PX701 (D1.5 after VIL TACAN, at 1000 ft or above) turn right on TR 200° to join and follow TR 161° bound to UNKAV missed approach holding pattern. Hold at 3000 ft, inbound TR 161°, right turns, IAS MAX 185 kt.

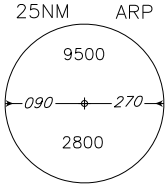


OCA (OCH)		A	B	C	D
STRAIGHT IN APPROACH	LNAV/VNAV	570 (350)	580 (360)	590 (370)	600 (380)
	LNAV	650 (430)			
CIRCLING (6)		800 (560)		950 (710)	1100 (860)

(6) REMARK: Circling allowed South-East of the RWY only.

GS	FT PER MIN	DIST THR 04	ALT (HGT)
80	425	7 NM	2500 (2280)
100	530	6 NM	2180 (1960)
120	635	5 NM	1865 (1645)
140	745	4 NM	1545 (1325)
160	850	3 NM	1225 (1005)
180	955	2 NM	905 (685)

MNM SECT ALT 25NM ARP



RNAV (GNSS) RWY04 – Instrument Approach Procedure via ABLID

Path Terminator	Waypoint identifier	Flyover	Course/Track °M (°T)	Turn Direction	Altitude Constraint (ft)	Speed Limit (kt)/Bank Angle	Recommended Navaid	Bearing/ Range from Navaid	Distance from THR (NM)	Remarks
IF	ABLID	-	-	-	+5000 (4)	210	-	-	21.2	-
TF	GIVAT	-	044 (045.1)	-	+4000 (4)	200	-	-	16.2	-
TF	ERMOB	-	044 (045.9)	-	+3000	-	-	-	12.2	-
TF	PEVIK	-	044 (045.6)	-	@3000	180	-	-	8.5	-
TF	THR 04	Y	044 (045.6)	-	-	-	-	-	-	MAPt (1)
TF	PX701	Y	044 (045.7)	-	+1000	200	-	-	-	-
VI	-	-	200 (202.0)	-	-	-	-	-	-	-
CF	UNKAV	-	161 (163.1)	-	+3000	-185	-	-	-	-
HM	UNKAV	Y	161 (163.1)	R	+3000	-185	-	-	-	-

RNAV (GNSS) RWY04 – Instrument Approach Procedure via BOLVO

Path Terminator	Waypoint identifier	Flyover	Course/Track °M (°T)	Turn Direction	Altitude Constraint (ft)	Speed Limit (kt)/Bank Angle	Recommended Navaid	Bearing/ Range from Navaid	Distance from THR (NM)	Remarks
IF	BOLVO	-	-	-	+5000 (4)	210	-	-	-	-
TF	GIVAT	-	314 (315.9)	-	+4000 (4)	200	-	-	16.2	-
TF	ERMOB	-	044 (045.9)	-	+3000	-	-	-	12.2	-
TF	PEVIK	-	044 (045.6)	-	@3000	180	-	-	8.5	-
TF	THR 04	Y	044 (045.6)	-	-	-	-	-	-	MAPt (1)
TF	PX701	Y	044 (045.7)	-	+1000	200	-	-	-	-
VI	-	-	200 (202.0)	-	-	-	-	-	-	-
CF	UNKAV	-	161 (163.1)	-	+3000	-185	-	-	-	-
HM	UNKAV	Y	161 (163.1)	R	+3000	-185	-	-	-	-

RNAV (GNSS) RWY04 – Instrument Approach Procedure via RIVEV

Path Terminator	Waypoint identifier	Flyover	Course/Track °M (°T)	Turn Direction	Altitude Constraint (ft)	Speed Limit (kt)/Bank Angle	Recommended Navaid	Bearing/ Range from Navaid	Distance from THR (NM)	Remarks
IF	RIVEV	-	-	-	+5000 (4)	210	-	-	-	-
TF	GIVAT	-	134 (135.7)	-	+4000 (4)	200	-	-	16.2	-
TF	ERMOB	-	044 (045.9)	-	+3000	-	-	-	12.2	-
TF	PEVIK	-	044 (045.6)	-	@3000	180	-	-	8.5	-
TF	THR 04	Y	044 (045.6)	-	-	-	-	-	-	MAPt (1)
TF	PX701	Y	044 (045.7)	-	+1000	200	-	-	-	-
VI	-	-	200 (202.0)	-	-	-	-	-	-	-
CF	UNKAV	-	161 (163.1)	-	+3000	-185	-	-	-	-
HM	UNKAV	Y	161 (163.1)	R	+3000	-185	-	-	-	-

Missed Approach Holding RNAV UNKAV

Path Terminator	Waypoint identifier	Inbound Course °M(°T)	Leg Distance (NM) (2)	Timing(min.)/ Waypoint Distance (NM) (3)	Turn Direction	Minimum Altitude (FT)	Maximum Altitude (FL)	Speed Limit (kt)	Magnetic Variation (°)	Navigation Performance
HM	UNKAV	161 (163)	3.0	- / 3.9	R	3000	-	185	2.0	RNAV 1

REMARKS

(1) **For LNAV only**
(2) **RNAV system with holding functionality**
(3) **RNAV system without holding functionality**
(4) **3000 FT ATC Discretion**

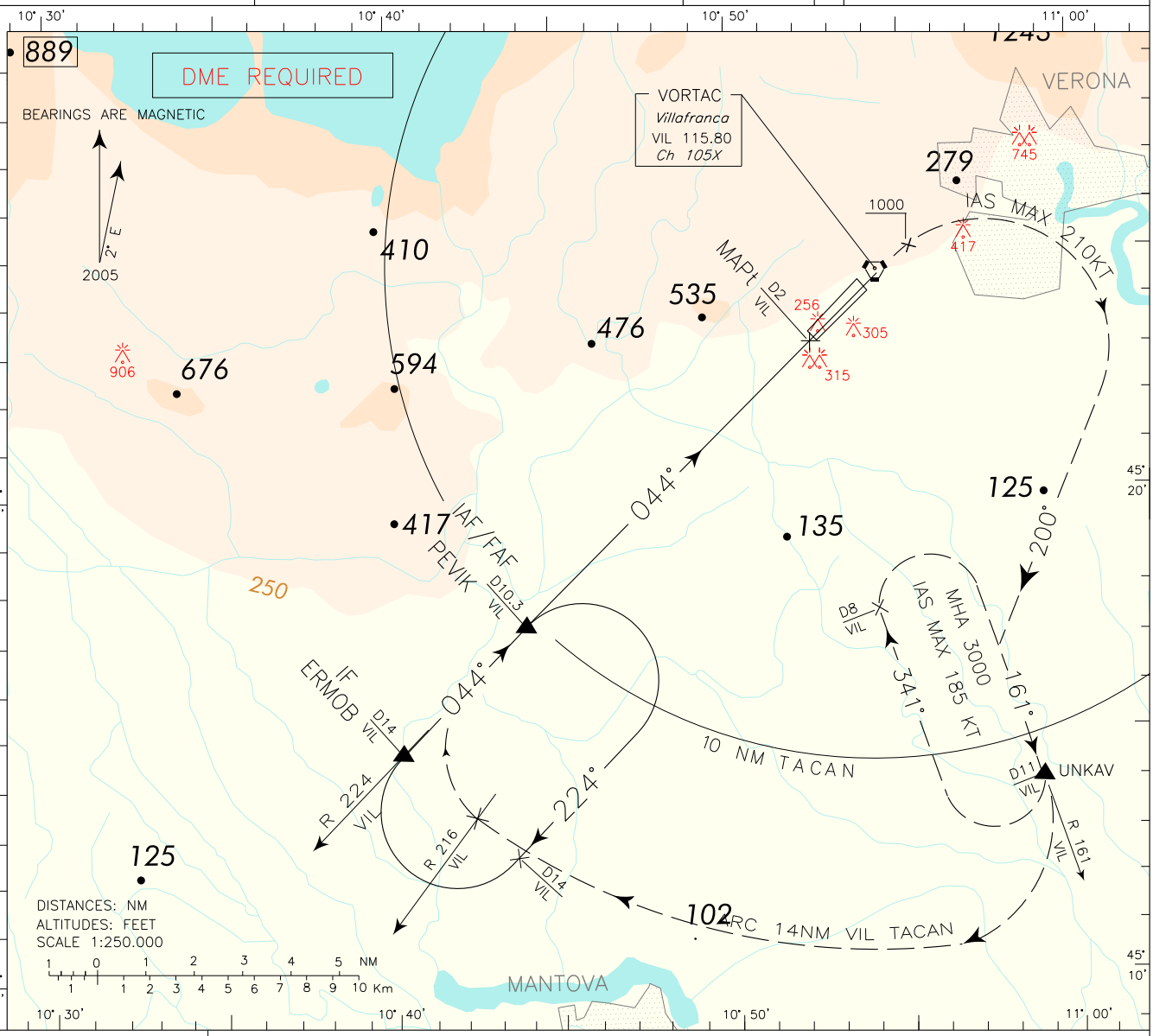
Waypoints Table formatted according ARINC 424 standards

Waypoint	Latitude	Longitude
PX701	N45253229	E010555556

Intenzionalmente bianca

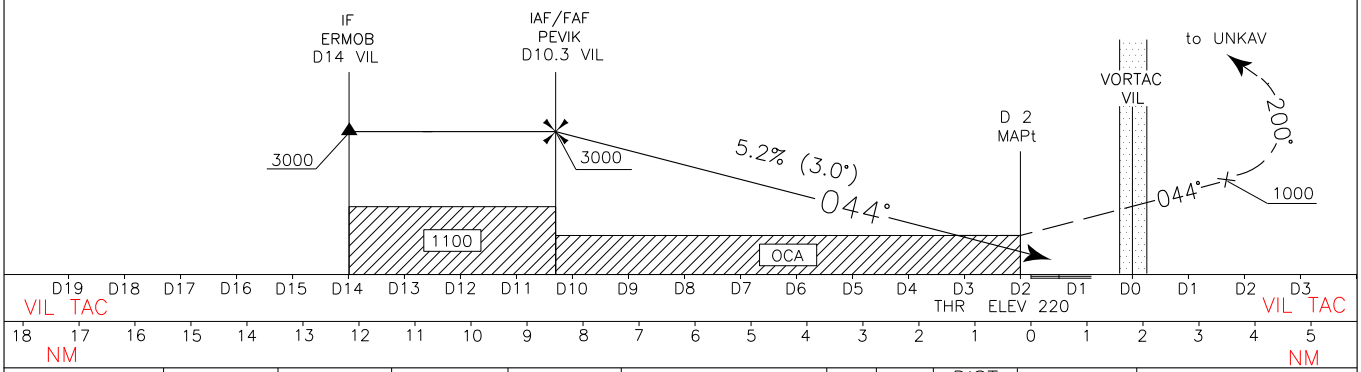
Intentionally left blank

APP Verona APP/Radar	135.900 124.250 118.550	AD ELEV 240	LIPX	VERONA/VILLAFRANCA VOR RWY 04
TWR Villafranca TWR	118.650			



TRANSITION ALT 6000

MISSED APPROACH: Maintaining final TR 044° climb to 3000 ft. Passing VIL VORTAC or 1000ft, whichever is later, turn right TR 200° (IAS MAX 210KT) to join RDL 161 VIL VOR bound to UNKAV missed approach holding pattern. Hold on RDL 161 VIL VOR at 3000 ft between 11 NM and 8 NM VIL TACAN; Inbound TR 161°; right turns; IAS MAX 185KT.



OCA (OCH)	A	B	C	D
STRAIGHT IN APPROACH — VOR	820 (600)			
CIRCLING (1)	830 (590)		950 (710)	1100 (860)

(1) REMARK: Circling allowed South East of the RWY only.

GS	FT PER MIN	DIST VIL TACAN	ALT (HGT)
80	425	10.3 NM	3000 (2780)
100	530	9 NM	2590 (2370)
120	635	8 NM	2270 (2050)
140	745	7 NM	1950 (1730)
160	850	6 NM	1630 (1410)
180	955	5 NM	1310 (1090)
		4 NM	990 (770)
		3 NM	670 (450)

MNM SECT ALT VIL VORTAC: 9500 (090–270), 2800

DOC.8168–ED.6–2014 TEMPORARY PROCEDURE FOR PHASE 6

DIMENSIONI ED ALTITUDINI IN METRI
DIMENSIONS AND ELEVATIONS IN METRES

CARTA DEGLI OSTACOLI DI AERODROMO TIPO B OACI
AERODROME OBSTACLE CHART ICAO TYPE B

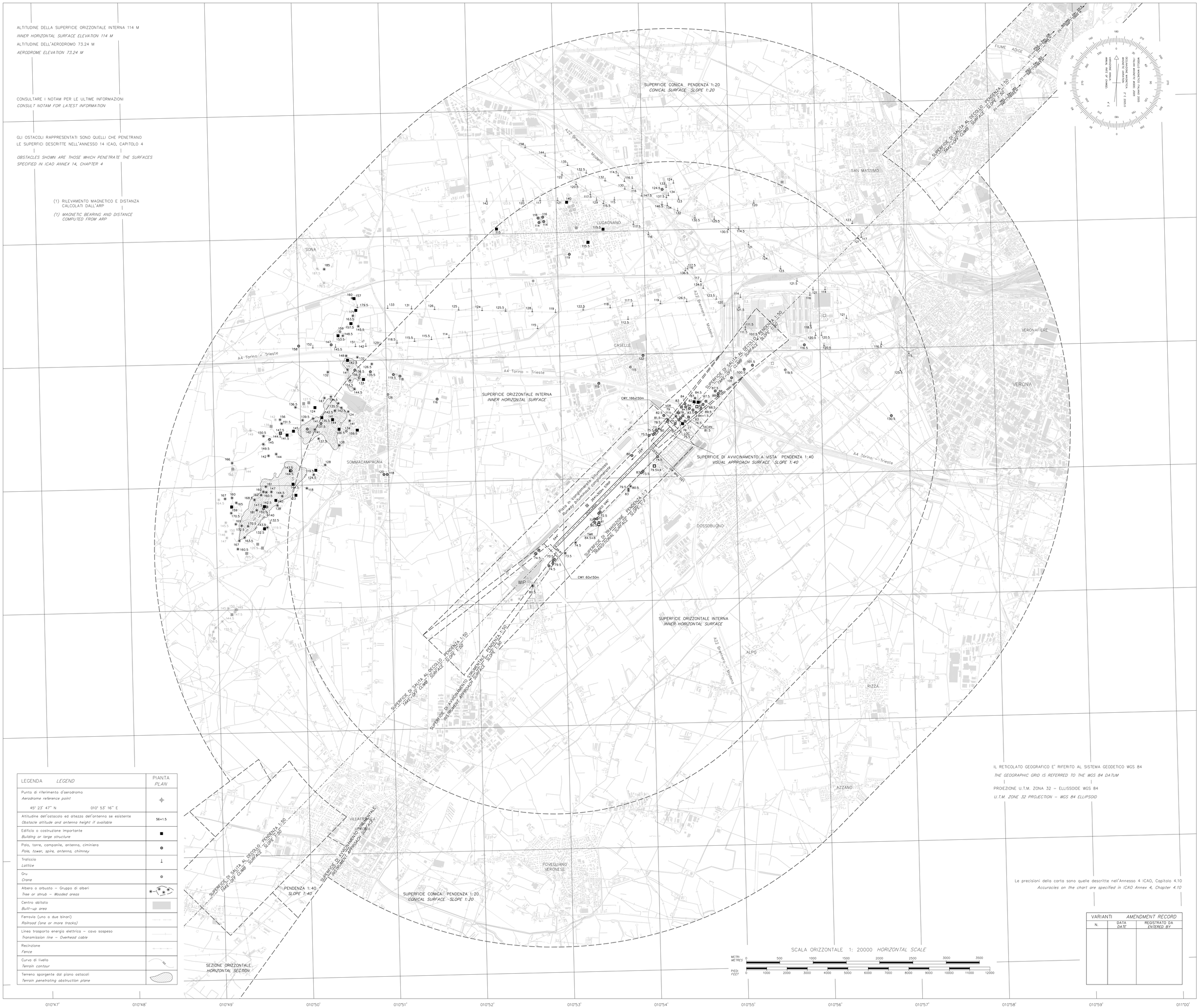
ITALY – VERONA / VILLAFRANCA

ALTITUDINE DELLA SUPERFICIE ORIZZONTALE INTERNA 114 M
INNER HORIZONTAL SURFACE ELEVATION 114 M
ALTITUDINE DELL'AERODROMO 73.24 M
AERODROME ELEVATION 73.24 M

CONSULTARE I NOTAM PER LE ULTIME INFORMAZIONI
CONSULT NOTAM FOR LATEST INFORMATION

GLI OSTACOLI RAPPRESENTATI SONO QUELLI CHE PENETRANO LE SUPERFICI DESCRITTE NELL'ANNESSO 14 ICAO, CAPITOLO 4
OBSTACLES SHOWN ARE THOSE WHICH PENETRATE THE SURFACES SPECIFIED IN ICAO ANNEX 14, CHAPTER 4

(1) RILEVAMENTO MAGNETICO E DISTANZA CALCOLATI DALL'ARP
(1) MAGNETIC BEARING AND DISTANCE COMPUTED FROM ARP



LEGENDA *LEGEND*	PIANTA *PLAN*
Punto di riferimento d'aerodromo *Aerodrome reference point* 45° 23' 47'' N 010° 53' 16'' E	
Altitudine dell'ostacolo ed altezza dell'antenna se esistente *Obstacle altitude and antenna height if available*	56+1.5
Edificio o costruzione importante *Building or large structure*	
Palo, torre, campanile, antenna, ciminiera *Pole, tower, spire, antenna, chimney*	
Traliccio *Lattice*	
Gru *Crane*	
Albero o arbusto – Gruppo di alberi *Tree or shrub – Wooded areas*	
Centro abitato *Built-up area*	
Ferrovia (uno o due binari) *Railroad (one or more tracks)*	
Linea trasporto energia elettrica – cavo sospeso *Transmission line – Overhead cable*	
Recinzione *Fence*	
Curva di livello *Terrain contour*	100
Terreno sporgente dal piano ostacoli *Terrain penetrating obstruction plane*	

IL RETICOLATO GEOGRAFICO E' RIFERITO AL SISTEMA GEODETICO WGS 84
THE GEOGRAPHIC GRID IS REFERRED TO THE WGS 84 DATUM

PROIEZIONE U.T.M. ZONA 32 – ELLISSOIDE WGS 84
U.T.M. ZONE 32 PROJECTION – WGS 84 ELLIPSOID

Le precisioni della carta sono quelle descritte nell'Annesso 4 ICAO, Capitolo 4.10
Accuracies on the chart are specified in ICAO Annex 4, Chapter 4.10

SCALA ORIZZONTALE 1: 20000 *HORIZONTAL SCALE*

METRI *METRES* 0 500 1000 1500 2000 2500 3000 3500

PIEDI *FEET* 0 1000 2000 3000 4000 5000 6000 7000 8000 9000 10000 11000 12000

VARIANTI *AMENDMENT RECORD*		
N.	DATA *DATE*	REGISTRATO DA *ENTERED BY*

INFORMAZIONI AERONAUTICHE AGGIORNATE AL:
AERONAUTICAL INFORMATION UPDATED AS OF: 10 JAN 2019

Data del rilievo:
Date of survey: OCT 2013

EDITO DA:
PUBLISHED BY: ENAV – Roma

REDATTO DA:
DESIGNED BY: ENAV

PROVISIONAL EDITION
VALID FROM 18 MAR 2019
UNTIL 18 MAY 2019 EST

NR PX 4/2 – Phase 1

DIMENSIONI ED ALTITUDINI IN METRI
DIMENSIONS AND ELEVATIONS IN METRES

CARTA DEGLI OSTACOLI DI AERODROMO TIPO B OACI
AERODROME OBSTACLE CHART ICAO TYPE B

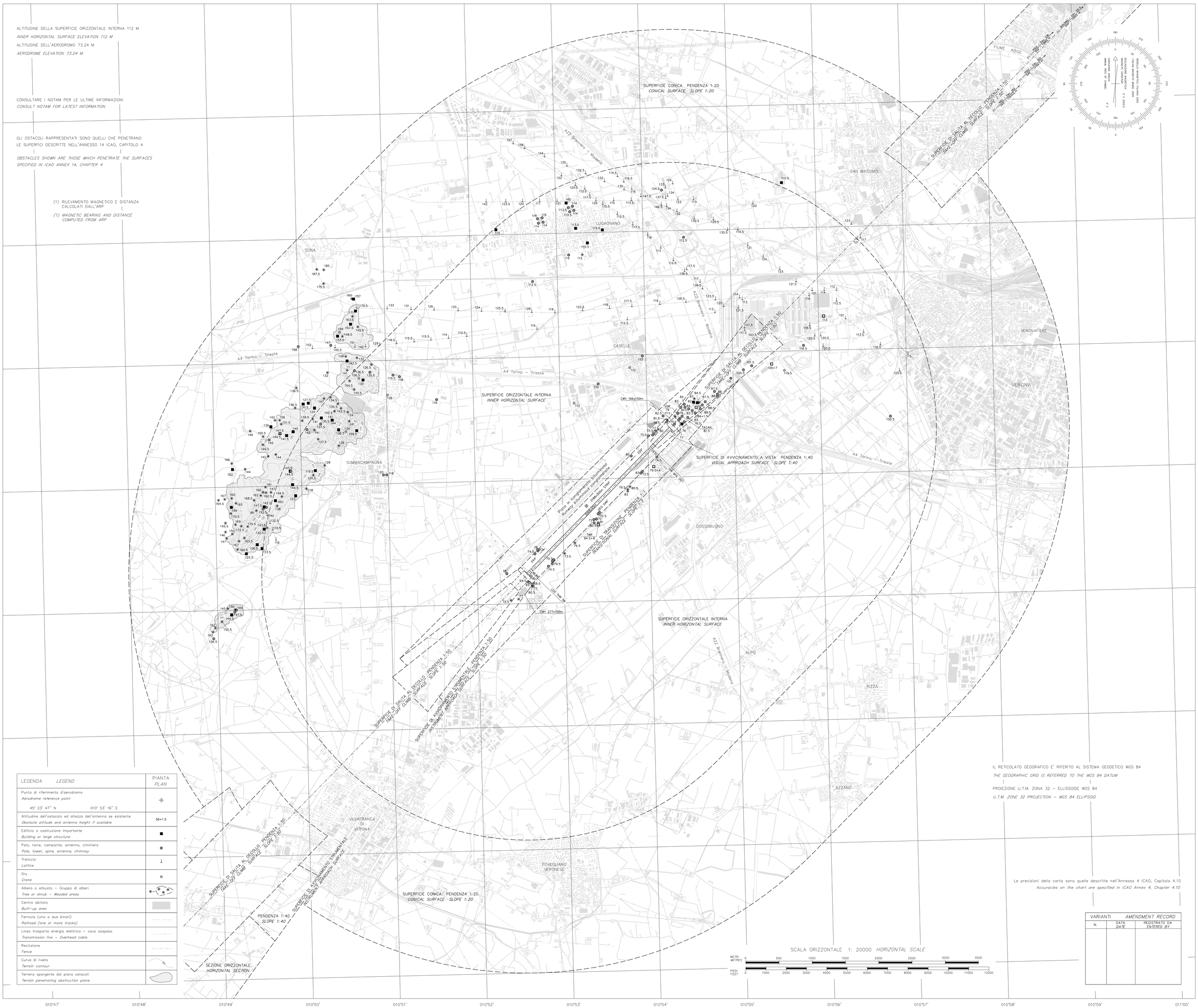
ITALY – VERONA / VILLAFRANCA

ALTITUDINE DELLA SUPERFICIE ORIZZONTALE INTERNA 112 M
INNER HORIZONTAL SURFACE ELEVATION 112 M
ALTITUDINE DELL'AERODROMO 73.24 M
AERODROME ELEVATION 73.24 M

CONSULTARE I NOTAM PER LE ULTIME INFORMAZIONI
CONSULT NOTAM FOR LATEST INFORMATION

GLI OSTACOLI RAPPRESENTATI SONO QUELLI CHE PENETRANO LE SUPERFICI DESCRITTE NELL'ANNESSO 14 ICAO, CAPITOLO 4
OBSTACLES SHOWN ARE THOSE WHICH PENETRATE THE SURFACES SPECIFIED IN ICAO ANNEX 14, CHAPTER 4

(1) RILEVAMENTO MAGNETICO E DISTANZA CALCOLATI DALL'ARP
(1) MAGNETIC BEARING AND DISTANCE COMPUTED FROM ARP



LEGENDA *LEGEND*	PIANTA *PLAN*
Punto di riferimento d'aerodromo *Aerodrome reference point* 45° 23' 47'' N 010° 53' 16'' E	
Altitudine dell'ostacolo ed altezza dell'antenna se esistente *Obstacle altitude and antenna height if available*	56+1.5
Edificio o costruzione importante *Building or large structure*	
Palo, torre, campanile, antenna, ciminiera *Pole, tower, spire, antenna, chimney*	
Traliccio *Lattice*	
Gru *Crane*	
Albero o arbusto – Gruppo di alberi *Tree or shrub – Wooded areas*	
Centro abitato *Built-up area*	
Ferrovia (uno o due binari) *Railroad (one or more tracks)*	
Linea trasporto energia elettrica – cavo sospeso *Transmission line – Overhead cable*	
Recinzione *Fence*	
Curva di livello *Terrain contour*	
Terreno sporgente dal piano ostacoli *Terrain penetrating obstruction plane*	

VARIANTI *AMENDMENT RECORD*

N.	DATA *DATE*	REGISTRATO DA *ENTERED BY*

INFORMAZIONI AERONAUTICHE AGGIORNATE AL:
AERONAUTICAL INFORMATION UPDATED AS OF: 10 JAN 2019

Data del rilievo:
Date of survey: OCT 2013

EDITO DA:
PUBLISHED BY: ENAV – Roma

REDATTO DA:
DESIGNED BY: ENAV

PROVISIONAL EDITION
VALID FROM 18 MAR 2019
UNTIL 18 MAY 2019 EST

NR PX 4/2 – Phase 2

DIMENSIONI ED ALTITUDINI IN METRI
DIMENSIONS AND ELEVATIONS IN METRES

CARTA DEGLI OSTACOLI DI AERODROMO TIPO B OACI
AERODROME OBSTACLE CHART ICAO TYPE B

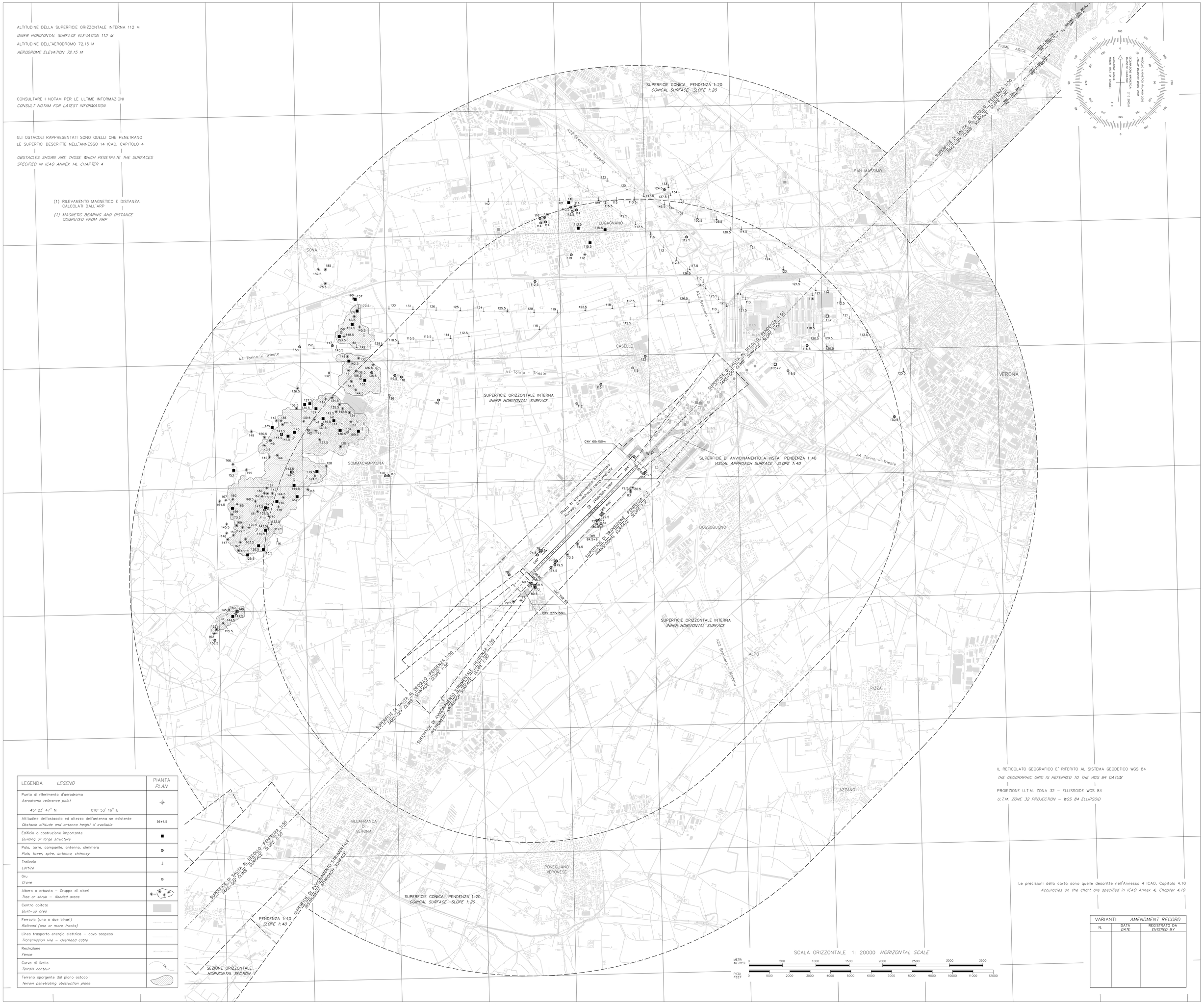
ITALY – VERONA / VILLAFRANCA

ALTITUDINE DELLA SUPERFICIE ORIZZONTALE INTERNA 112 M
INNER HORIZONTAL SURFACE ELEVATION 112 M
ALTITUDINE DELL'AERODROMO 72.15 M
AERODROME ELEVATION 72.15 M

CONSULTARE I NOTAM PER LE ULTIME INFORMAZIONI
CONSULT NOTAM FOR LATEST INFORMATION

GLI OSTACOLI RAPPRESENTATI SONO QUELLI CHE PENETRANO LE SUPERFICI DESCRITTE NELL'ANNESSO 14 ICAO, CAPITOLO 4
OBSTACLES SHOWN ARE THOSE WHICH PENETRATE THE SURFACES SPECIFIED IN ICAO ANNEX 14, CHAPTER 4

(1) RILEVAMENTO MAGNETICO E DISTANZA CALCOLATI DALL'ARP
(1) MAGNETIC BEARING AND DISTANCE COMPUTED FROM ARP



IL RETICOLATO GEOGRAFICO E' RIFERITO AL SISTEMA GEODETICO WGS 84
THE GEOGRAPHIC GRID IS REFERRED TO THE WGS 84 DATUM

PROIEZIONE U.T.M. ZONA 32 – ELLISSOIDE WGS 84
U.T.M. ZONE 32 PROJECTION – WGS 84 ELLIPSOID

Le precisioni della carta sono quelle descritte nell'Annesso 4 ICAO, Capitolo 4.10
Accuracies on the chart are specified in ICAO Annex 4, Chapter 4.10

VARIANTI *AMENDMENT RECORD*		
N.	DATA *DATE*	REGISTRATO DA *ENTERED BY*

INFORMAZIONI AERONAUTICHE AGGIORNATE AL:
AERONAUTICAL INFORMATION UPDATED AS OF: 10 JAN 2019

Data del rilievo:
Date of survey: OCT 2013

EDITO DA:
PUBLISHED BY: ENAV – Roma

REDATTO DA:
DESIGNED BY: ENAV

PROVISIONAL EDITION
VALID FROM 18 MAR 2019
UNTIL 18 MAY 2019 EST

NR PX 4/2 – Phase 3

DIMENSIONI ED ALTITUDINI IN METRI
DIMENSIONS AND ELEVATIONS IN METRES

CARTA DEGLI OSTACOLI DI AERODROMO TIPO B OACI
AERODROME OBSTACLE CHART ICAO TYPE B

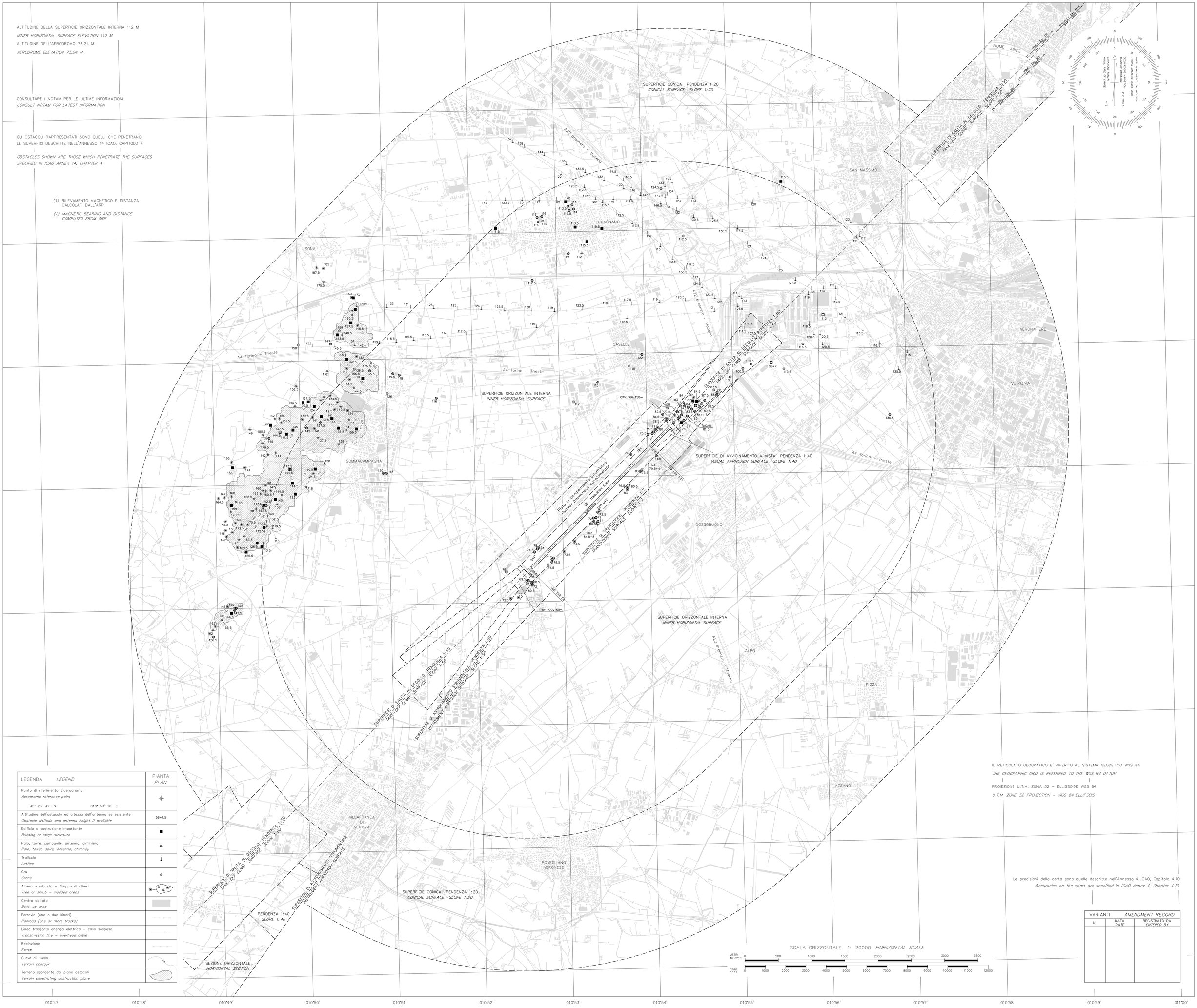
ITALY – VERONA / VILLAFRANCA

ALTITUDINE DELLA SUPERFICIE ORIZZONTALE INTERNA 112 M
INNER HORIZONTAL SURFACE ELEVATION 112 M
ALTITUDINE DELL'AERODROMO 73.24 M
AERODROME ELEVATION 73.24 M

CONSULTARE I NOTAM PER LE ULTIME INFORMAZIONI
CONSULT NOTAM FOR LATEST INFORMATION

GLI OSTACOLI RAPPRESENTATI SONO QUELLI CHE PENETRANO LE SUPERFICI DESCRITTE NELL'ANNESSO 14 ICAO, CAPITOLO 4
OBSTACLES SHOWN ARE THOSE WHICH PENETRATE THE SURFACES SPECIFIED IN ICAO ANNEX 14, CHAPTER 4

(1) RILEVAMENTO MAGNETICO E DISTANZA CALCOLATI DALL'ARP
(1) MAGNETIC BEARING AND DISTANCE COMPUTED FROM ARP



LEGENDA *LEGEND*	PIANTA *PLAN*
Punto di riferimento d'aerodromo *Aerodrome reference point* 45° 23' 47'' N 010° 53' 16'' E	⌖
Altitudine dell'ostacolo ed altezza dell'antenna se esistente *Obstacle altitude and antenna height if available*	56+1.5
Edificio o costruzione importante *Building or large structure*	■
Palo, torre, campanile, antenna, ciminiera *Pole, tower, spire, antenna, chimney*	●
Traliccio *Lattice*	⊥
Gru *Crane*	⊙
Albero o arbusto – Gruppo di alberi *Tree or shrub – Wooded areas*	
Centro abitato *Built-up area*	
Ferrovia (uno o due binari) *Railroad (one or more tracks)*	
Linea trasporto energia elettrica – cavo sospeso *Transmission line – Overhead cable*	
Recinzione *Fence*	
Curva di livello *Terrain contour*	100
Terreno sporgente dal piano ostacoli *Terrain penetrating obstruction plane*	

IL RETICOLATO GEOGRAFICO E' RIFERITO AL SISTEMA GEODETICO WGS 84
THE GEOGRAPHIC GRID IS REFERRED TO THE WGS 84 DATUM

PROIEZIONE U.T.M. ZONA 32 – ELLISSOIDE WGS 84
U.T.M. ZONE 32 PROJECTION – WGS 84 ELLIPSOID

Le precisioni della carta sono quelle descritte nell'Annesso 4 ICAO, Capitolo 4.10
Accuracies on the chart are specified in ICAO Annex 4, Chapter 4.10

SCALA ORIZZONTALE 1: 20000 *HORIZONTAL SCALE*

METRI *METRES* 0 500 1000 1500 2000 2500 3000 3500

PIEDI *FEET* 0 1000 2000 3000 4000 5000 6000 7000 8000 9000 10000 11000 12000

VARIANTI *AMENDMENT RECORD*		
N.	DATA *DATE*	REGISTRATO DA *ENTERED BY*

INFORMAZIONI AERONAUTICHE AGGIORNATE AL:
AERONAUTICAL INFORMATION UPDATED AS OF: 10 JAN 2019

Data del rilievo:
Date of survey: OCT 2013

EDITO DA:
PUBLISHED BY: ENAV – Roma

REDATTO DA:
DESIGNED BY: ENAV

PROVISIONAL EDITION
VALID FROM 18 MAR 2019
UNTIL 18 MAY 2019 EST

NR PX 4/2 – Phase 4

DIMENSIONI ED ALTITUDINI IN METRI
DIMENSIONS AND ELEVATIONS IN METRES

CARTA DEGLI OSTACOLI DI AERODROMO TIPO B OACI
AERODROME OBSTACLE CHART ICAO TYPE B

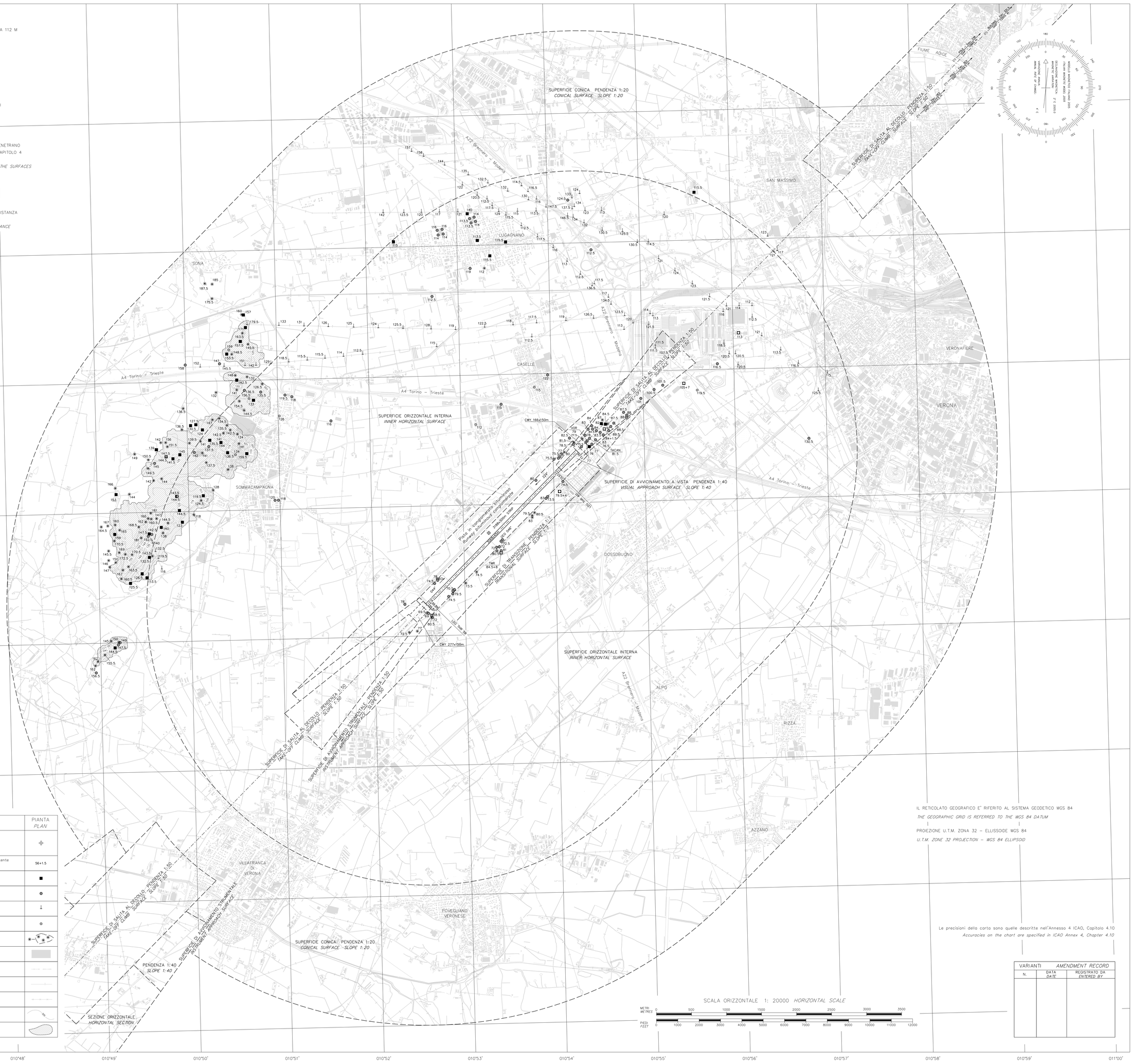
ITALY – VERONA / VILLAFRANCA

ALTITUDINE DELLA SUPERFICIE ORIZZONTALE INTERNA 112 M
INNER HORIZONTAL SURFACE ELEVATION 112 M
ALTITUDINE DELL'AERODROMO 73.24 M
AERODROME ELEVATION 73.24 M

CONSULTARE I NOTAM PER LE ULTIME INFORMAZIONI
CONSULT NOTAM FOR LATEST INFORMATION

GLI OSTACOLI RAPPRESENTATI SONO QUELLI CHE PENETRANO LE SUPERFICI DESCRITTE NELL'ANNESSO 14 ICAO, CAPITOLO 4
OBSTACLES SHOWN ARE THOSE WHICH PENETRATE THE SURFACES SPECIFIED IN ICAO ANNEX 14, CHAPTER 4

(1) RILEVAMENTO MAGNETICO E DISTANZA CALCOLATI DALL'ARP
(1) MAGNETIC BEARING AND DISTANCE COMPUTED FROM ARP



LEGENDA *LEGEND*	PIANTA *PLAN*
Punto di riferimento d'aerodromo *Aerodrome reference point* 45° 23' 47'' N 010° 53' 16'' E	⌖
Altitudine dell'ostacolo ed altezza dell'antenna se esistente *Obstacle altitude and antenna height if available*	56+1.5
Edificio o costruzione importante *Building or large structure*	■
Palo, torre, campanile, antenna, ciminiera *Pole, tower, spire, antenna, chimney*	⊙
Traliccio *Lattice*	⊥
Gru *Crane*	⊙
Albero o arbusto – Gruppo di alberi *Tree or shrub – Wooded areas*	
Centro abitato *Built-up area*	
Ferrovia (uno o due binari) *Railroad (one or more tracks)*	
Linea trasporto energia elettrica – cavo sospeso *Transmission line – Overhead cable*	
Recinzione *Fence*	
Curva di livello *Terrain contour*	100
Terreno sporgente dal piano ostacoli *Terrain penetrating obstruction plane*	

IL RETICOLATO GEOGRAFICO E' RIFERITO AL SISTEMA GEODETICO WGS 84
THE GEOGRAPHIC GRID IS REFERRED TO THE WGS 84 DATUM

PROIEZIONE U.T.M. ZONA 32 – ELLISSOIDE WGS 84
U.T.M. ZONE 32 PROJECTION – WGS 84 ELLIPSOID

Le precisioni della carta sono quelle descritte nell'Annesso 4 ICAO, Capitolo 4.10
Accuracies on the chart are specified in ICAO Annex 4, Chapter 4.10

SCALA ORIZZONTALE 1: 20000 *HORIZONTAL SCALE*

METRI *METRES* 0 500 1000 1500 2000 2500 3000 3500

PIEDI *FEET* 0 1000 2000 3000 4000 5000 6000 7000 8000 9000 10000 11000 12000

VARIANTI *AMENDMENT RECORD*		
N.	DATA *DATE*	REGISTRATO DA *ENTERED BY*

INFORMAZIONI AERONAUTICHE AGGIORNATE AL:
AERONAUTICAL INFORMATION UPDATED AS OF: 10 JAN 2019

Data del rilievo:
Date of survey: OCT 2013

EDITO DA:
PUBLISHED BY: ENAV – Roma

REDATTO DA:
DESIGNED BY: ENAV

PROVISIONAL EDITION
VALID FROM 18 MAR 2019
UNTIL 18 MAY 2019 EST

NR PX 4/2 – Phase 5

DIMENSIONI ED ALTITUDINI IN METRI
DIMENSIONS AND ELEVATIONS IN METRES

CARTA DEGLI OSTACOLI DI AERODROMO TIPO B OACI
AERODROME OBSTACLE CHART ICAO TYPE B

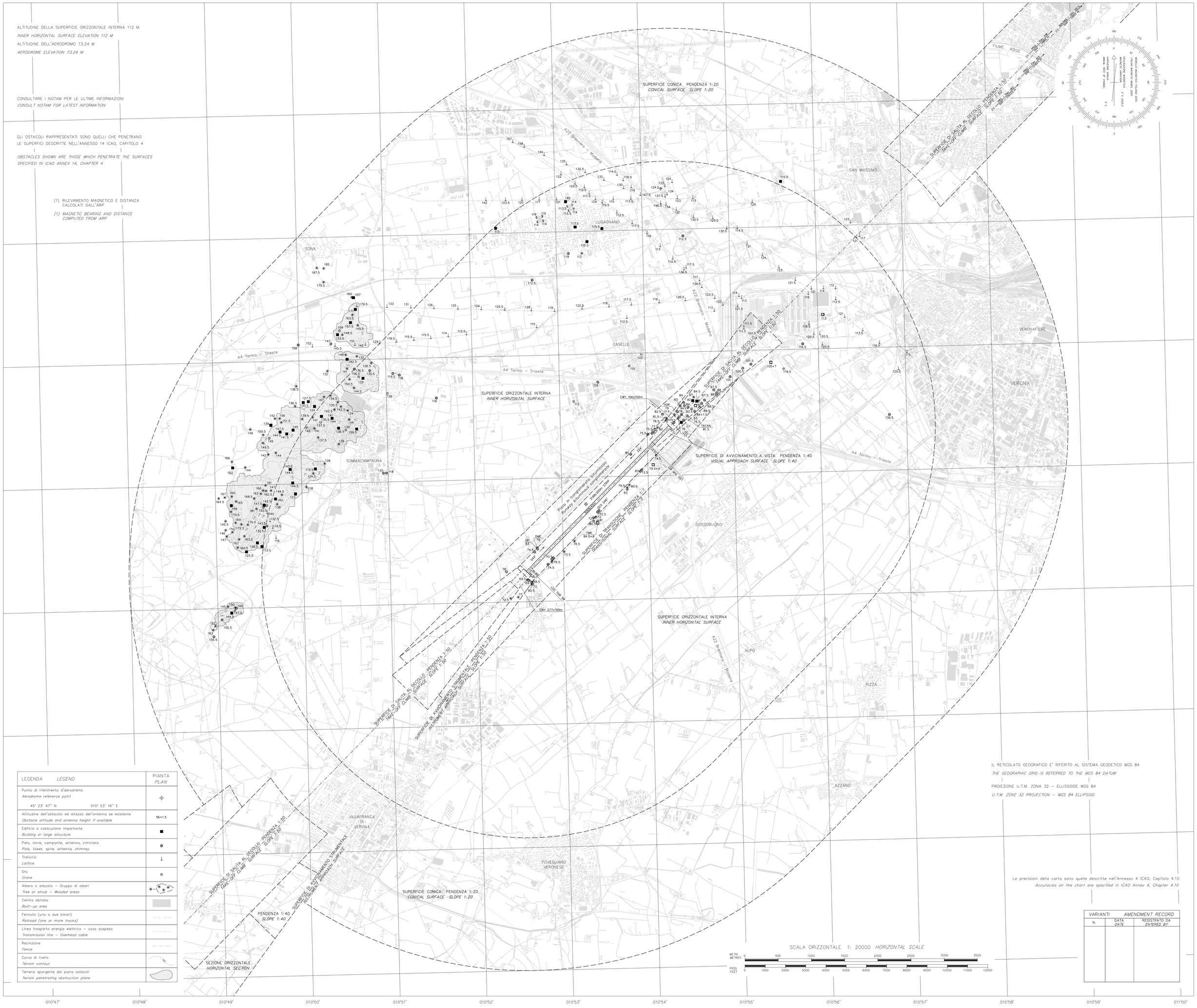
ITALY – VERONA / VILLAFRANCA

ALTITUDINE DELLA SUPERFICIE ORIZZONTALE INTERNA 112 M
INNER HORIZONTAL SURFACE ELEVATION 112 M
ALTITUDINE DELL'AERODROMO 73.24 M
AERODROME ELEVATION 73.24 M

CONSULTARE I NOTAM PER LE ULTIME INFORMAZIONI
CONSULT NOTAM FOR LATEST INFORMATION

GLI OSTACOLI RAPPRESENTATI SONO QUELLI CHE PENETRANO LE SUPERFICI DESCRITTE NELL'ANNESSO 14 ICAO, CAPITOLO 4
OBSTACLES SHOWN ARE THOSE WHICH PENETRATE THE SURFACES SPECIFIED IN ICAO ANNEX 14, CHAPTER 4

(1) RILEVAMENTO MAGNETICO E DISTANZA CALCOLATI DALL'ARP
(1) MAGNETIC BEARING AND DISTANCE COMPUTED FROM ARP



LEGENDA *LEGEND*	PIANTA *PLAN*
Punto di riferimento d'aerodromo *Aerodrome reference point* 45° 23' 47'' N 010° 53' 16'' E	
Altitudine dell'ostacolo ed altezza dell'antenna se esistente *Obstacle altitude and antenna height if available*	56+1.5
Edificio o costruzione importante *Building or large structure*	
Palo, torre, campanile, antenna, ciminiera *Pole, tower, spire, antenna, chimney*	
Traliccio *Lattice*	
Gru *Crane*	
Albero o arbusto – Gruppo di alberi *Tree or shrub – Wooded areas*	
Centro abitato *Built-up area*	
Ferrovia (uno o due binari) *Railroad (one or more tracks)*	
Linea trasporto energia elettrica – cavo sospeso *Transmission line – Overhead cable*	
Recinzione *Fence*	
Curva di livello *Terrain contour*	
Terreno sporgente dal piano ostacoli *Terrain penetrating obstruction plane*	

IL RETICOLATO GEOGRAFICO E' RIFERITO AL SISTEMA GEODETICO WGS 84
THE GEOGRAPHIC GRID IS REFERRED TO THE WGS 84 DATUM

PROIEZIONE U.T.M. ZONA 32 – ELLISSOIDE WGS 84
U.T.M. ZONE 32 PROJECTION – WGS 84 ELLIPSOID

Le precisioni della carta sono quelle descritte nell'Annesso 4 ICAO, Capitolo 4.10
Accuracies on the chart are specified in ICAO Annex 4, Chapter 4.10

SCALA ORIZZONTALE 1: 20000 *HORIZONTAL SCALE*

METRI *METRES* 0 500 1000 1500 2000 2500 3000 3500
PIEDI *FEET* 0 1000 2000 3000 4000 5000 6000 7000 8000 9000 10000 11000 12000

VARIANTI *AMENDMENT RECORD*		
N.	DATA *DATE*	REGISTRATO DA *ENTERED BY*

INFORMAZIONI AERONAUTICHE AGGIORNATE AL:
AERONAUTICAL INFORMATION UPDATED AS OF: 10 JAN 2019

Data del rilievo:
Date of survey: OCT 2013

EDITO DA:
PUBLISHED BY: ENAV – Roma

REDATTO DA:
DESIGNED BY: ENAV

PROVISIONAL EDITION
VALID FROM 18 MAR 2019
UNTIL 18 MAY 2019 EST

NR PX 4/2 – Phase 6