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VTBS2006

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Please note that all commercial airlines will be completely moved from Bangkok Intl(VTBD) to Suvarnabhumi(VTBS) on 29th September 2006

Suvarnabhumi, The new Thailand Intl Airport

Copyrights and Disclaimer

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VTBS2006 cannot be completed if without a great module likes 'actigate' from

[Arno Gerretsen](#)

arno@scenerydesign.org

See installation in following pages

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Contents

1. Copyright & Disclaimer
2. Contents
3. Features
4. System and Add-on requirements
5. Installation
6. Future Plan
7. Appendix
 - A. Aerodrome Charts
 - B. AIRAC Data update for payware add-on aircraft
8. Developer Team
9. General Info. About Navigation data



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Features

Version 1.0

- More than a hundred of custom objects are created using GMAX
- 5000+ objects were added to new aerodrome
- Completely created with main terminal (A, B, C, E, F, G), Cargo area, Thai Airways building, Thai Airways hangar and maintenance area, ATC complex buildings, and more
- Docking System implementation
(Thanks to Arno Gerretsen arno@scenerydesign.org)
- Fame Rate optimization
- New set of lamp light objects
(Thanks to Bill Leaming <http://eaglesoftdg.com>)
- Smart Jetways and Ground objects are extended to all parkings/gates area (specific objects/gates to specific aircrafts)
(Thanks to Arno Gerretsen arno@scenerydesign.org (Actigate Module))
- Taxiways and Jetways are designed accurately comparing to satellite photo/AIP
- AIRAC cycle updated for PSS, PMDG, PIC, and FsNav
- Simple aerodrome charts (SIDs, STARs, and aerodrome charts)
- IVAO Sector file updated (sid/star)
- Real objects for approach light
- Custom ground texture

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System & Add-on Requirement

System requirement:

We have tested on various CPU machine and found that VTBS2006 can be run smoothly on 1.7 GHz CPU. However, if you want to obtain full-ability of VTBS2006 at least for 3.0 GHz CPU is recommended.

However we've using the special techniques to keep frame rate better by determine the 'active distance' to each complicated objects. So, when you've far away from airport enough for example, while approaching the frame rate is quite good.

Minimum system requirement:

- At least 1.5 GHz CPU
- 512MB memory
- 64MB of graphic display

Add-on Requirement:

Please remind that VTBS2006 will not work properly if running it without 'ACTIGATE' module. Thanks Arno Gerretsen (arno@scenerydesign.org) for this powerful module add-on to flightsim.

See installation in installation section.



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Installation

There are 2 parts you must pay attention in this section:

1. ACTIGATE module installation

You must install this add-on module in order to use our VTBS2006. Special thanks to Arno Gerretsen (arno@scenerydesign.org) for developing this great add-on module. Installation:

- Just copy actigate.dll (in modules folder) to 'modules' folder under main Fs9 folder.
- That's it. Proceed to next part.

2. VTBS2006 scenery installation

- Extract 'vtbs2006.zip' (can be found in 'scenery' folder) to 'addon_scenery' folder in main Fs9 folder. ("Use Folder Names" must be checked)
- Start your FS
- Go to setting-->Library
- Install new scenery by click a "add area" button. Then selects 'VTBS' folder.
- Exit Fs then Start Fs again



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Future Plan

In the future we are looking forward to enhance our VTBS2006 by upgrading the Bangkok city and around objects to become as real as possible. More than 10 of major buildings are in progress. (Thanks to Mr. Teeravuth B.)

Of course, the patch will become available to download after first release of VTBD2006. Please stay tuned for more news at our website. (<http://www.siamavsim.com>)



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Appendix

A. The Bangkok aerodrome charts

The Suvarnabhumi International Airport (VTBD) has a lot of charts provide in ATC service such as: SIDs, STARs, Approach(s) instrument, Aerodrome, and more.

You can find these charts in this package under 'charts' folder.

B. AIRAC Data update for payware add-on aircraft.

Good news for virtual pilots, who likes to fly with payware add-on aircraft. This package was including with navigation data (AIRAC updated) for VTBS and can be used with SID/STAR charts in this package. The following are the list of payware add-on aircraft that support by AIRAC updated data:

1. PMDG
2. PSS
3. B737 Pilot In Command (PIC)
4. Level-D B767

The AIRAC updated data can be found in 'airac_updated_0607' folder. Browse it and then pick one that you preferred.



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Developer Team

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Special Thanks to

- Arno Gerretsen (arno@scenerydesign.org), ACTIGATE.dll module
- Nuttayoot the, data provider
- Theeravut B., data provider
- Parinya U., data provider
- Bill Leaming (<http://eaglesoftdg.com>), Light Object
- Sira I. oei80@hotmail.com, Advisor
- Visarute R, Charts organization
- Krit T, AIRAC data updated

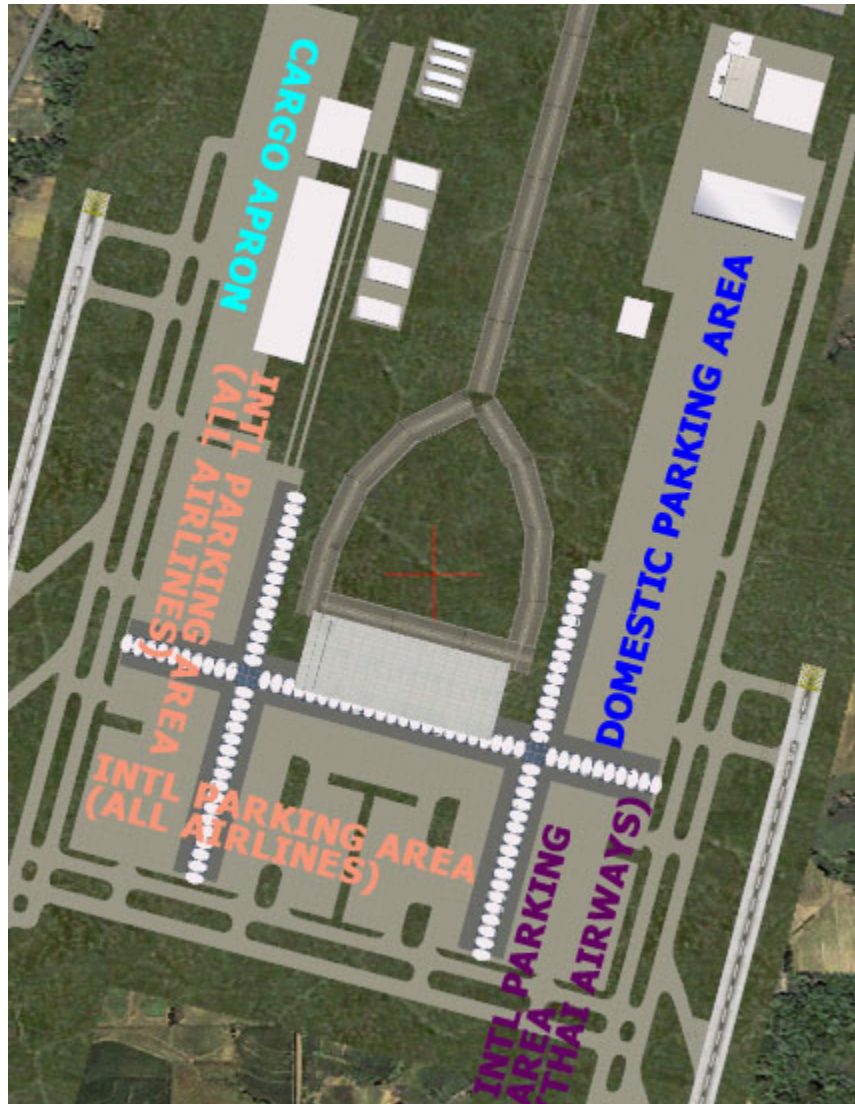
Test pilots

- Visarut R.
- Jirawit S.
- Polapan S.
- Anirut T.
- Sira I.
- Tanawat Ch.

Any suggestions are welcome at webmaster@siamavsim.com



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SUARNABHUMI PARKING GUIDE AND GROUND DETAILS OVERVIEW

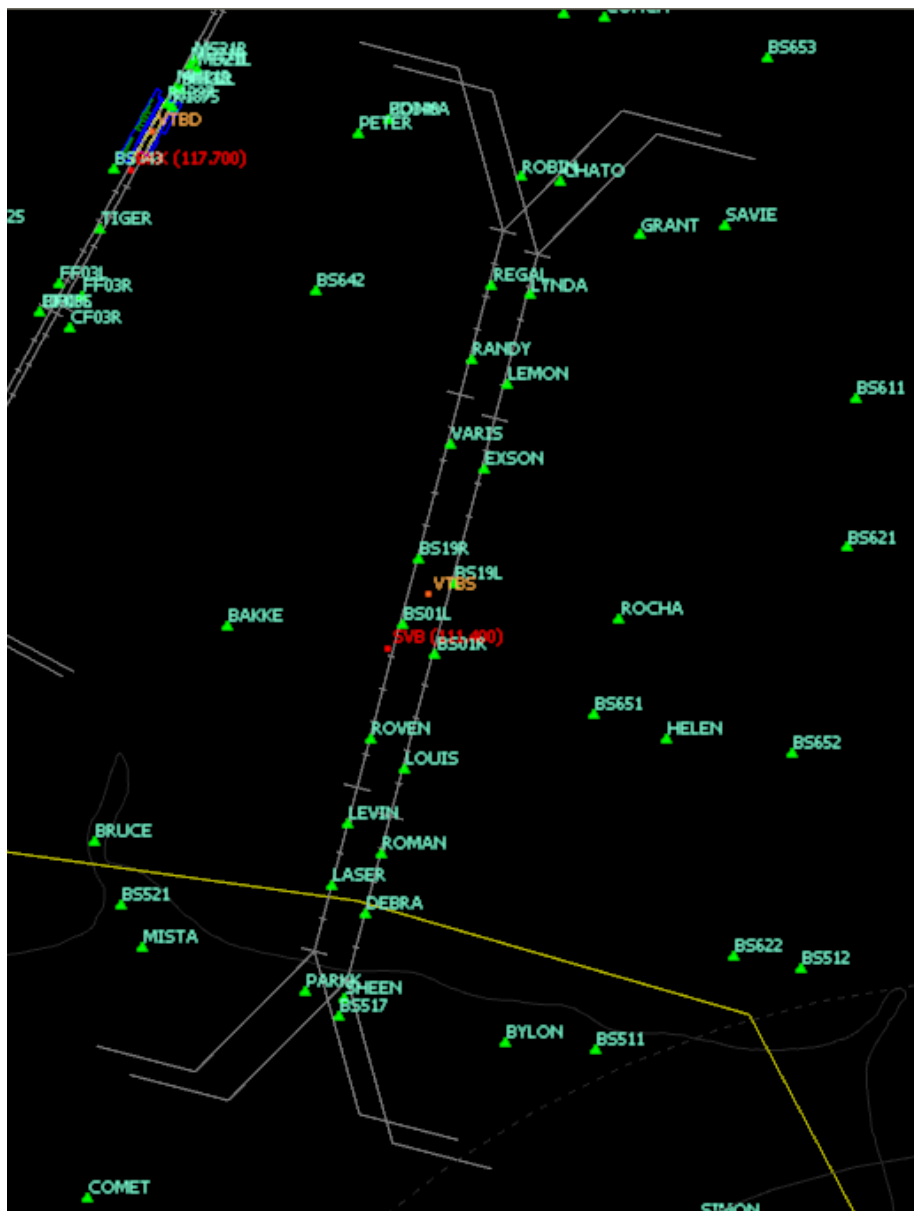


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VTBS Overview with NAVFIX(es)



VOR/ILS NAVAID INFO

VTBS 01R ILS/DME	ISUB ILSD 13.657011 100.751492 110.10I
VTBS 01L ILS/DME	ISUV ILSD 13.671010 100.734532 109.10I
VTBS 19R ILS/DME	IBSV ILSD 13.703115 100.743063 109.50I
VTBS 19L ILS/DME	IBSU ILSD 13.691727 100.760719 110.50I
Suvarnabhumi	SVB VORD 13.659033 100.728667 111.40H

AIRPORT RWY INFO

Suvarnabhumi Intl	VTBS 01R 13123 015 13.657011 100.751492 005
Suvarnabhumi Intl	VTBS 01L 12139 015 13.671010 100.734532 005
Suvarnabhumi Intl	VTBS 19R 12139 195 13.703115 100.743063 005
Suvarnabhumi Intl	VTBS 19L 13123 195 13.691727 100.760719 005

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VTBS STANDARD INSTRUMENT DEPARTURE (SIDS)

SID RWY01L VARIS RANDY BS631

(**JEANS1B** DEP , **JORGE1B** DEP)

TRANSITION **BETNO** BS634 JEANS PIGMY TARDY BETNO
TRANSITION **BEKOD** BS634 JEANS CYDER TEREX BEKOD
TRANSITION **TANEK** BS634 JEANS ETHAN PASTA TANEK
TRANSITION **LIMLA** BS634 JEANS LABRA OSUKA LIMLA
TRANSITION **TKL** BS634 JEANS CYDER TKL
TRANSITION **NOBER** JORGE BS633 NOBER
TRANSITION **ALBOS** JORGE BS632 ALBOS

SID RWY01R EXSON

(**CHEST1C** DEP , **FIRNN1C** DEP)

TRANSITION **KRT** BS611 CHEST INTRA MOCHI KRT
TRANSITION **SELKA** BS611 CHEST INTRA SELKA
TRANSITION **BATOK** BS611 CHEST BS612 HONEY BATOK
TRANSITION **GOMES** BS611 CHEST BS613 GOMES
TRANSITION **RYN** BS611 CHEST BS614 RYN
TRANSITION **BUT** BS621 BS622 FIRNN BS623 BUT
TRANSITION **REGOS** BS621 BS622 FIRNN BS624 JASSY REGOS
TRANSITION **HOTEL** BS621 BS622 FIRNN BS626 HOTEL

SID RWY19R ROVEN BS521

(**ANTIC1B** DEP , **NESTA1B** DEP , **COMET1B** DEP)

TRANSITION **TANEK** BS522 BS523 BS524 ANTIC WAYNE PASTA TANEK
TRANSITION **BETNO** BS522 BS523 BS524 ANTIC ROTAR TARDY BETNO
TRANSITION **LIMLA** BS522 BS523 BS524 NESTA BURAN OSUKA LIMLA
TRANSITION **BEKOD** BS522 BS523 BS524 NESTA NOBIT TEREX BEKOD
TRANSITION **TKL** BS522 BS523 BS524 NESTA RESIN TKL
TRANSITION **NOBER** BS522 BS523 BS524 NESTA ALENA NOBER
TRANSITION **ALBOS** BS522 BS523 BS524 NESTA LANSO ALBOS
TRANSITION **HOTEL** COMET BS527 HOTEL
TRANSITION **REGOS** COMET BS526 JASSY REGOS
TRANSITION **BUT** COMET KENNA BUT

SID RWY19L LOUIS

(**SEESA1C** DEP , **SIMON1C** DEP , **COSMO1C** DEP , **ANTIC1C** DEP , **NESTA1C** DEP)

TRANSITION **TANEK** BS521 BS522 BS523 BS524 ANTIC WAYNE PASTA TANEK
TRANSITION **BETNO** BS521 BS522 BS523 BS524 ANTIC ROTAR TARDY BETNO
TRANSITION **LIMLA** BS521 BS522 BS523 BS524 NESTA BURAN OSUKA LIMLA
TRANSITION **BEKOD** BS521 BS522 BS523 BS524 NESTA NOBIT TEREX BEKOD
TRANSITION **TKL** BS521 BS522 BS523 BS524 NESTA RESIN TKL
TRANSITION **NOBER** BS521 BS522 BS523 BS524 NESTA ALENA NOBER
TRANSITION **ALBOS** BS521 BS522 BS523 BS524 NESTA LANSO ALBOS
TRANSITION **HOTEL** BS517 SEESA BS519 HOTEL
TRANSITION **REGOS** BS517 SEESA BS518 JASSY REGOS
TRANSITION **BUT** BS517 SEESA KENNA BUT
TRANSITION **RYN** BS511 SIMON MAHON RYN
TRANSITION **GOMES** BS511 BS512 COSMO BS516 GOMES
TRANSITION **BATOK** BS511 BS512 COSMO BS514 HONEY BATOK
TRANSITION **SELKA** BS511 BS512 COSMO BS513 INTRA SELKA
TRANSITION **KRT** BS511 BS512 COSMO BS513 INTRA MOCHI KRT

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VTBS STANDARD TERMINAL ARRIVAL ROUTES (STARS)

STAR RWY01L PARKK LASER LEVIN
(**GIPSY1B** ARR , **DAREN1B** ARR , **NUMAN1B** ARR)
TRANSITION BUT BUT DAREN BS641
TRANSITION REGOS REGOS JASSY HOTEL DAREN BS641
TRANSITION HHN HHN HOTEL DAREN BS641
TRANSITION MENEX MENEX HOTEL DAREN BS641
TRANSITION TANEK TANEK PASTA GIPSY BS643 BS642 MISTA
TRANSITION BETNO BETNO TARDY GIPSY BS643 BS642 MISTA
TRANSITION LIMLA LIMLA OSUKA GIPSY BS643 BS642 MISTA
TRANSITION BEKOD BEKOD TEREX NUMAN BS644 BS642 MISTA
TRANSITION TKL TKL NUMAN BS644 BS642 MISTA
TRANSITION NOBER NOBER NUMAN BS644 BS642 MISTA
TRANSITION ALBOS ALBOS NUMAN BS644 BS642 MISTA
RNW 01L

STAR RWY01R BS651 BYLON SHEEN DEBRA
(**TERRY1B** ARR , **CABIN1B** ARR)
TRANSITION KRT KRT MOCHI TERRY BS653
TRANSITION BATOK BATOK CABIN BS652
TRANSITION GOMES GOMES CABIN BS652
TRANSITION RYN RYN CABIN BS652
RNW 01R

STAR RWY19R ROBIN REGAL
(**SILVA1B** ARR , **ARONS1B** ARR , **NAUTY1B** ARR)
TRANSITION BUT BUT KENNA SILVA BAKKE PETER
TRANSITION REGOS REGOS JASSY SILVA BAKKE PETER
TRANSITION HOTEL HOTEL SILVA BAKKE PETER
TRANSITION TANEK TANEK PASTA ARONS SHITA BS531 MARGE
TRANSITION BETNO BETNO TARDY ARONS SHITA BS531 MARGE
TRANSITION LIMLA LIMLA OSUKA ARONS SHITA BS531 MARGE
TRANSITION BEKOD BEKOD TEREX NAUTY BS532 MARGE
TRANSITION TKL TKL NAUTY BS532 MARGE
TRANSITION NOBER NOBER NAUTY BS532 MARGE
TRANSITION ALBOS ALBOS NAUTY BS532 MARGE
RNW 19R

STAR RWY19L CHATO LYNDA
(**DANNY1B** ARR , **CAROS1B** ARR)
TRANSITION RYN RYN DANNY ROCHA SAVIE
TRANSITION GOMES GOMES DANNY ROCHA SAVIE
TRANSITION BATOK BATOK DANNY ROCHA SAVIE
TRANSITION KRT KRT MOCHI CAROS BS533 COACH
RNW 19L

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AIRPORT INTERSECTIONS REFERENCES

ALENA		N14	32.900	E100	28.420
ANTIC		N13	55.960	E100	12.150
ARICA		N14	28.930	E100	16.630
ARONS		N14	07.220	E100	15.050
BAKKE		N13	40.180	E100	38.750
BS01L TDZ	4.53FT 1.38M	N13	40.277	E100	44.080 5 FT
BS01R TDZ	4.46FT 1.36M	N13	39.402	E100	45.110 5 FT
BS19L TDZ	4.4FT 1.34M	N13	41.503	E100	45.662 5 FT
BS19R TDZ	4.46FT 1.36M	N13	42.220	E100	44.590 5 FT
BS511		N13	27.790	E100	50.130
BS512		N13	30.210	E100	56.370
BS513		N13	50.010	E101	11.030
BS514		N13	49.250	E101	25.350
BS516		N13	31.710	E101	19.090
BS517		N13	28.700	E100	42.290
BS518		N13	04.130	E100	37.160
BS519		N13	04.870	E100	26.050
BS521		N13	31.880	E100	35.640
BS522		N13	35.200	E100	28.160
BS523		N13	37.450	E100	23.090
BS524		N13	43.540	E100	19.490
BS526		N13	04.160	E100	34.810
BS527		N13	06.170	E100	23.890
BS531		N14	00.730	E100	39.900
BS532		N14	18.820	E100	54.220
BS533		N14	14.810	E100	59.850
BS611		N13	47.070	E100	57.840
BS612		N13	52.360	E101	25.720
BS613		N13	36.240	E101	22.830
BS614		N13	29.420	E101	19.790
BS621		N13	42.680	E100	57.620
BS622		N13	30.550	E100	54.290
BS623		N13	07.720	E100	52.740
BS624		N13	04.990	E100	44.110
BS626		N13	04.460	E100	27.950
BS631		N14	01.670	E100	49.710
BS632		N14	26.890	E100	56.640
BS633		N14	29.720	E100	51.740
BS634		N14	12.210	E100	26.580
BS641		N13	16.770	E100	37.910
BS642		N13	50.120	E100	41.370
BS643		N13	53.640	E100	35.140
BS644		N13	59.850	E100	43.930
BS651		N13	37.660	E100	49.950
BS652		N13	36.610	E100	56.010
BS653		N13	57.120	E100	55.060
BURAN		N14	23.790	E100	09.330
BYLON		N13	27.930	E100	47.390
CABIN		N13	18.140	E101	11.830
CAROS		N14	24.510	E101	11.740
CHATO		N13	53.420	E100	48.790
CHEST		N13	48.530	E101	10.390
COACH		N13	58.280	E100	50.070
COMET		N13	23.240	E100	34.700
COSMO		N13	38.730	E101	04.310
CYDER		N14	27.910	E100	15.640
DANNY		N13	23.870	E101	07.100
DAREN		N13	00.710	E100	20.970
DEBRA		N13	31.710	E100	43.070
ETHAN		N14	10.210	E99	57.980
EXSON		N13	44.900	E100	46.550
FIRNN		N13	16.480	E100	50.450
GIPSY		N14	05.170	E100	14.640
HONEY		N13	55.280	E101	37.460
INTRA		N14	07.090	E101	21.210
JASSY		N12	48.330	E100	34.900
JEANS		N14	16.880	E100	16.310
JORGE		N14	19.170	E100	54.350

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KENNA		N13	06.740	E100	51.120
LABRA		N14	23.230	E100	08.330
LANSO		N14	32.770	E100	46.980
LASER		N13	32.530	E100	42.040
LEMON		N13	47.410	E100	47.210
LEVIN		N13	34.360	E100	42.520
LOUIS		N13	35.990	E100	44.210
LYNDA		N13	50.040	E100	47.900
MAHON		N13	14.390	E101	04.380
MARGE		N13	58.390	E100	48.840
MISTA		N13	30.670	E100	36.260
MOCHI		N14	36.050	E101	39.580
NAUTY		N14	31.860	E100	46.490
NESTA		N14	13.450	E100	23.260
NOBIT		N14	30.200	E100	19.840
NUMAN		N14	18.050	E100	35.230
PARKK		N13	29.420	E100	41.230
PASTA		N13	59.950	E99	29.920
PETER		N13	54.780	E100	42.580
PIGMY		N14	19.400	E100	04.230
RANDY		N13	48.130	E100	46.140
REGAL		N13	50.320	E100	46.720
RESIN		N14	31.460	E100	21.710
ROBIN		N13	53.530	E100	47.560
ROCHA		N13	40.500	E100	50.710
ROMAN		N13	33.490	E100	43.550
ROTAR		N14	06.880	E99	57.910
ROVEN		N13	36.870	E100	43.180
SAVIE		N13	52.170	E100	53.770
SEESA		N13	15.070	E100	38.720
SHEEN		N13	29.180	E100	42.420
SHITA		N14	04.620	E100	24.990
SILVA		N13	24.350	E100	26.120
SIMON		N13	22.730	E100	53.350
SVB	SUARNABHUMI	N13	39.542	E100	43.720
TARDY		N14	26.460	E99	32.290
TEREX		N15	00.530	E100	13.630
TERRY		N14	19.070	E101	07.550
VARIS		N13	45.620	E100	45.480
VTBS		N13	41.143	E100	44.937 5 FT
WAYNE		N13	57.670	E99	54.750

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