

Norstar Tap Distance Chart

12-Jan-06

	25	50	100	200	400	Tap to PBX (ft)
2400	100ft	100ft	100ft	100ft	100ft	
1600	50ft	50ft	100ft	100ft	50ft	
800	50ft	50ft	100ft	100ft	50ft	
400	50ft	50ft	100ft	100ft	100ft	
200	50ft	50ft	100ft	100ft	50ft	
100	50ft	50ft	50ft	50ft	50ft	

Tap to Phone (ft)

PBX Type:

Norstar

Phone Type:

7316

Software:

Smartworks 3.5.2

Board Type:

NGX2400

Cable type:

- 1. Tap to Phone= Cat 3
- 1. Tap to NGX = Cat 3
- 1. Tap to PBX = Cat 3

Matrix Decsription:

The entries in the matrix are the highest Recommended cable lengths from the Tap to NGX , corresponding to the position in the matrix in reference to Tap to phone, and Tap to PBX.

Pass\Fail Criteria

The Pass criteria is determined by the following factors:

- 1. Automated Cable test procedure to monitor Frammer Statistic Errors of NT\TE\Sync\Clip signals.
- 2. Using Any failures in any field will result in a failed condition.

"The information in this document was derived from empirical testing and should be used as a guide only. Although AudioCodes has made every effort to accurately simulate typical PBX wiring environments, actual line lengths will vary depending on many external factors. AudioCodes USA, Inc makes no warranty as to the accuracy of this information and reserves the right to change it without notice."

Meridian Tap Distance Chart

17-Jan-06

	25	50	100	200	400	Tap to PBX (ft)
2400	100ft	100ft	100ft	100ft	100ft	
1600	100ft	100ft	100ft	100ft	100ft	
800	200ft	100ft	200ft	100ft	200ft	
400	100ft	100ft	100ft	100ft	100ft	
200	100ft	100ft	100ft	100ft	100ft	
100	100ft	100ft	100ft	100ft	100ft	

Tap to Phone (ft)

PBX Type:

Meridian

Phone Type:

M3820

Software:

Smartworks 3.5.2

Board Type:

NGX2400

Cable type:

- 1. Tap to Phone= Cat 3
- 1. Tap to NGX = Cat 3
- 1. Tap to PBX = Cat 3

Matrix Decsription:

The entries in the matrix are the highest Recommended cable lengths from the Tap to NGX , corresponding to the position in the matrix in reference to Tap to phone, and Tap to PBX.

Pass\Fail Criteria

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Nec Electra Elite Tap Distance Chart

	25	50	100	200	400	Tap to PBX (ft)
2400	0	0	0	0	0	
1600	100ft	100ft	100ft	100ft	100ft	
800	100ft	100ft	100ft	100ft	100ft	
400	100ft	100ft	100ft	100ft	100ft	
200	100ft	100ft	100ft	100ft	100ft	
100	100ft	100ft	100ft	100ft	100ft	

Tap to Phone (ft)

PBX Type:

Nec Electra Elite

Phone Type:

DTP-16D-1

Software:

Smartworks 3.5.2

Board Type:

NGX2400

Cable type:

- 1. Tap to Phone= Cat 3
- 1. Tap to NGX = Cat 3
- 1. Tap to PBX = Cat 3

Matrix Decsription:

The entries in the matrix are the highest Recommended cable lengths from the Tap to NGX , corresponding to the position in the matrix in reference to Tap to phone, and Tap to PBX.

Pass\Fail Criteria

The Pass criteria is determined by the following factors:

- 1. Automated Cable test procedure to monitor Frammer Statistic Errors of NT\TE\Sync\Clip signals.
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Neax2400 Tap Distance Chart

	25	50	100	200	400	Tap to PBX (ft)
2400	0	0	0	0	0	
1600	200ft	200ft	100ft	100ft	100ft	
800	100ft	100ft	100ft	100ft	200ft	
400	100ft	100ft	100ft	100ft	100ft	
200	100ft	200ft	100ft	100ft	100ft	
100	100ft	100ft	100ft	100ft	100ft	

Tap to Phone (ft)

PBX Type:

Nec Electra Elite

Phone Type:

DTP-32D-1

Software:

Smartworks 3.5.2

Board Type:

NGX2400

Cable type:

- 1. Tap to Phone= Cat 3
- 1. Tap to NGX = Cat 3
- 1. Tap to PBX = Cat 3

Matrix Decsription:

The entries in the matrix are the highest Recommended cable lengths from the Tap to NGX , corresponding to the position in the matrix in reference to Tap to phone, and Tap to PBX.

Pass\Fail Criteria

The Pass criteria is determined by the following factors:

- 1. Automated Cable test procedure to monitor Frammer Statistic Errors of NT\TE\Sync\Clip signals.
- 2. Using Any failures in any field will result in a failed condition.

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Avaya 2 wire Tap Distance Chart

	25	50	100	200	400	Tap to PBX (ft)
2400	100ft	100ft	100ft	100ft	25ft	
1600	50ft	50ft	100ft	100ft	100ft	
800	50ft	100ft	100ft	100ft	100ft	
400	50ft	50ft	25ft	100ft	100ft	
200	50ft	25ft	25ft	25ft	100ft	
100	50ft	25ft	25ft	100ft	100ft	

Tap to Phone (ft)

PBX Type:

Avaya Definity G3Si-V7 2-wire

Phone Type:

6424D+

Software:

Smartworks 3.5.2

Board Type:

NGX2400

Cable type:

- 1. Tap to Phone= Cat 3
- 1. Tap to NGX = Cat 3
- 1. Tap to PBX = Cat 3

Matrix Decsription:

The entries in the matrix are the highest Recommended cable lengths from the Tap to NGX , corresponding to the position in the matrix in reference to Tap to phone, and Tap to PBX.

Pass\Fail Criteria

The Pass criteria is determined by the following factors:

- 1. Automated Cable test procedure to monitor Frammer Statistic Errors of NT\TE\Sync\Clip signals.
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Avaya 4 wire Tap Distance Chart

	25	50	100	200	400	Tap to PBX (ft)
2400	200ft	200ft	200ft	200ft	200ft	
1600	200ft	200ft	200ft	200ft	200ft	
800	50ft	25ft	50ft	100ft	200ft	
400	100ft	100ft	100ft	100ft	200ft	
200	200ft	200ft	200ft	200ft	200ft	
100	200ft	200ft	200ft	200ft	200ft	

Tap to Phone (ft)

PBX Type:

Avaya 4 wire

Phone Type:

8410D

Software:

Smartworks 3.5.2

Board Type:

NGX2400

Cable type:

- 1. Tap to Phone= Cat 3
- 1. Tap to NGX = Cat 3
- 1. Tap to PBX = Cat 3

Matrix Decsription:

The entries in the matrix are the highest Recommended cable lengths from the Tap to NGX , corresponding to the position in the matrix in reference to Tap to phone, and Tap to PBX.

Pass\Fail Criteria

The Pass criteria is determined by the following factors:

- 1. Automated Cable test procedure to monitor Frammer Statistic Errors of NT\TE\Sync\Clip signals.
- 2. Using Smartview to verify audio quality and line loading.

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Avaya IP Office wire Tap Distance Chart

	25	50	100	200	400	Tap to PBX (ft)
2400	200ft	200ft	200ft	200ft	100ft	
1600	200ft	100ft	100ft	100ft	100ft	
800	25ft	100ft	200ft	200ft	100ft	
400	25ft	200ft	25ft	0ft	100ft	
200	25ft	25ft	0ft	0ft	0ft	
100	100ft	50ft	25ft	0ft	0ft	

Tap to Phone (ft)

PBX Type:

Avaya IP office

Phone Type:

5420D

Software:

Smartworks 3.5.2

Board Type:

NGX2400

Cable type:

- 1. Tap to Phone= Cat 3
- 1. Tap to NGX = Cat 3
- 1. Tap to PBX = Cat 3

Matrix Decsription:

The entries in the matrix are the highest Recommended cable lengths from the Tap to NGX , corresponding to the position in the matrix in reference to Tap to phone, and Tap to PBX.

Pass\Fail Criteria

The Pass criteria is determined by the following factors:

- 1. Automated Cable test procedure to monitor Frammer Statistic Errors of NT\TE\Sync\Clip signals.
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Intertel Axxess wire Tap Distance Chart

	25	50	100	200	400	Tap to PBX (ft)
2400	0ft	0ft	0ft	0ft	0ft	
1600	50ft	25ft	25ft	25ft	25ft	
800	25ft	25ft	50ft	25ft	25ft	
400	25ft	50ft	50ft	25ft	25ft	
200	25ft	25ft	100ft	25ft	25ft	
100	25ft	25ft	25ft	25ft	25ft	

Tap to Phone (ft)

PBX Type:

Intertel Axxess office

Phone Type:

4500

Software:

Smartworks 3.5.2

Board Type:

NGX2400

Cable type:

- 1. Tap to Phone= Cat 3
- 1. Tap to NGX = Cat 3
- 1. Tap to PBX = Cat 3

Matrix Decsription:

The entries in the matrix are the highest Recommended cable lengths from the Tap to NGX , corresponding to the position in the matrix in reference to Tap to phone, and Tap to PBX.

Pass\Fail Criteria

The Pass criteria is determined by the following factors:

- 1. Automated Cable test procedure to monitor Frammer Statistic Errors of NT\TE\Sync\Clip signals.
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Siemens Hicom 150 wire Tap Distance Chart

	25	50	100	200	400	Tap to PBX (ft)
2400	50ft	50ft	50ft	50ft	50ft	
1600	100ft	100ft	200ft	200ft	200ft	
800	100ft	100ft	100ft	100ft	100ft	
400	100ft	100ft	100ft	100ft	200ft	
200	50ft	50ft	50ft	50ft	100ft	
100	100ft	100ft	50ft	50ft	100ft	

Tap to Phone (ft)

PBX Type:

Siemens Hicom 150-Line card SLU-8

Phone Type:

Siemens Optiset Estandard (US)

Software:

Smartworks 3.5.2

Board Type:

NGX2400

Cable type:

- 1. Tap to Phone= Cat 3
- 1. Tap to NGX = Cat 3
- 1. Tap to PBX = Cat 3

Matrix Decsription:

The entries in the matrix are the highest Recommended cable lengths from the Tap to NGX , corresponding to the position in the matrix in reference to Tap to phone, and Tap to PBX.

Pass\Fail Criteria

The Pass criteria is determined by the following factors:

- 1. Automated Cable test procedure to monitor Frammer Statistic Errors of NT\TE\Sync\Clip signals.
- 2. Using Smartview to verify audio quality and line loading.

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Siemens HiPath 3750 wire Tap Distance Chart

	25	50	100	200	400	Tap to PBX (ft)
2400	0ft	0ft	0ft	0ft	0ft	
1600	200ft	200ft	200ft	200ft	200ft	
800	100ft	200ft	200ft	200ft	200ft	
400	200ft	200ft	200ft	200ft	100ft	
200	50ft	50ft	50ft	50ft	50ft	
100	100ft	100ft	100ft	200ft	200ft	

Tap to Phone (ft)

PBX Type:

Siemens HiPath 3750

Phone Type:

Siemens Optiset Estandard (US)

Software:

Smartworks 3.5.2 (Front end Gain changed to "0")

* Contact Technical Support for assistance.

Board Type:

NGX2400

Cable type:

- 1. Tap to Phone= Cat 3
- 1. Tap to NGX = Cat 3
- 1. Tap to PBX = Cat 3

Matrix Decsription:

The entries in the matrix are the highest Recommended cable lengths from the Tap to NGX , corresponding to the position in the matrix in reference to Tap to phone, and Tap to PBX.

Pass\Fail Criteria

The Pass criteria is determined by the following factors:

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- 2. Using Smartview to verify audio quality and line loading.

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Matra M6500 PBX wire Tap Distance Chart

	25	50	100	200	400	Tap to PBX (ft)
2400	0ft	0ft	0ft	0ft	0ft	
1600	200ft	200ft	200ft	200ft	200ft	
800	200ft	200ft	200ft	200ft	200ft	
400	200ft	200ft	200ft	200ft	200ft	
200	200ft	200ft	200ft	200ft	0ft	
100	100ft	100ft	200ft	200ft	200ft	

Tap to Phone (ft)

PBX Type:

Matra M6500 PBX

Phone Type:

M760\P0

Software:

Smartworks 3.5.2 (Front end Gain changed to "2")

* Contact Technical Support for assistance.

Board Type:

NGX2400

Cable type:

- 1. Tap to Phone= Cat 3
- 1. Tap to NGX = Cat 3
- 1. Tap to PBX = Cat 3

Matrix Decsription:

The entries in the matrix are the highest Recommended cable lengths from the Tap to NGX , corresponding to the position in the matrix in reference to Tap to phone, and Tap to PBX.

Pass\Fail Criteria

The Pass criteria is determined by the following factors:

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Aspect PBX wire Tap Distance Chart

	25	50	100	200	400	Tap to PBX (ft)
2400	200ft	200ft	200ft	200ft	200ft	
1600	200ft	200ft	200ft	200ft	200ft	
800	200ft	200ft	200ft	200ft	200ft	
400	200ft	200ft	200ft	200ft	200ft	
200	200ft	200ft	200ft	200ft	0ft	
100	200ft	200ft	200ft	200ft	0ft	

Tap to Phone (ft)

PBX Type:

Aspect PBX

Phone Type:

M760\P0

Software:

Smartworks 3.5.2

Board Type:

NGX2400

Cable type:

- 1. Tap to Phone= Cat 3
- 1. Tap to NGX = Cat 3
- 1. Tap to PBX = Cat 3

Matrix Decsription:

The entries in the matrix are the highest Recommended cable lengths from the Tap to NGX , corresponding to the position in the matrix in reference to Tap to phone, and Tap to PBX.

Pass\Fail Criteria

The Pass criteria is determined by the following factors:

- 1. Automated Cable test procedure to monitor Framers Statistic Errors of NT\TE\Sync\Clip signals.
- 2. Using Smartview to verify audio quality and line loading.

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Ericsson (ELU-5) wire Tap Distance Chart

	25	50	100	200	400	Tap to PBX (ft)
2400	200ft	200ft	200ft	200ft	200ft	
1600	200ft	200ft	200ft	200ft	200ft	
800	200ft	200ft	200ft	200ft	200ft	
400	100ft	100ft	200ft	200ft	200ft	
200	100ft	200ft	200ft	100ft	200ft	
100	100ft	100ft	100ft	50ft	100ft	

Tap to Phone (ft)

PBX Type:

Ericsson PBX--Line card ELU5

Phone Type:

DBC561

Software:

Smartworks 3.5.2

Board Type:

NGX2400

Cable type:

- 1. Tap to Phone= Cat 3
- 1. Tap to NGX = Cat 3
- 1. Tap to PBX = Cat 3

Matrix Description:

The entries in the matrix are the highest Recommended cable lengths from the Tap to NGX , corresponding to the position in the matrix in reference to Tap to phone, and Tap to PBX.

Pass\Fail Criteria

The Pass criteria is determined by the following factors:

- 1. Automated Cable test procedure to monitor Framer Statistic Errors of NT\TE\Sync\Clip signals.
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Ericsson (ELU-25) wire Tap Distance Chart

	25	50	100	200	400	Tap to PBX (ft)
2400	200ft	200ft	200ft	200ft	200ft	
1600	200ft	200ft	200ft	200ft	200ft	
800	200ft	200ft	200ft	200ft	200ft	
400	200ft	200ft	200ft	200ft	200ft	
200	200ft	200ft	200ft	200ft	200ft	
100	200ft	200ft	200ft	200ft	200ft	

Tap to Phone (ft)

PBX Type:

Ericsson PBX--Line card ELU25

Phone Type:

DBC203

Software:

Smartworks 3.5.2

Board Type:

NGX2400

Cable type:

- 1. Tap to Phone= Cat 3
- 1. Tap to NGX = Cat 3
- 1. Tap to PBX = Cat 3

Matrix Decsription:

The entries in the matrix are the highest Recommended cable lengths from the Tap to NGX , corresponding to the position in the matrix in reference to Tap to phone, and Tap to PBX.

Pass\Fail Criteria

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Ericsson (ELU-28) wire Tap Distance Chart

	25	50	100	200	400	Tap to PBX (ft)
2400	200ft	200ft	200ft	200ft	200ft	
1600	200ft	200ft	200ft	200ft	200ft	
800	200ft	200ft	200ft	200ft	200ft	
400	200ft	200ft	200ft	200ft	200ft	
200	100ft	50ft	50ft	50ft	50ft	
100	50ft	50ft	50ft	50ft	25ft	

Tap to Phone (ft)

PBX Type:

Ericsson PBX--Line card ELU28

Phone Type:

DBC222

Software:

Smartworks 3.5.2

Board Type:

NGX2400

Cable type:

- 1. Tap to Phone= Cat 3
- 1. Tap to NGX = Cat 3
- 1. Tap to PBX = Cat 3

Matrix Decsription:

The entries in the matrix are the highest Recommended cable lengths from the Tap to NGX , corresponding to the position in the matrix in reference to Tap to phone, and Tap to PBX.

Pass\Fail Criteria

The Pass criteria is determined by the following factors:

- 1. Automated Cable test procedure to monitor Framers Statistic Errors of NT\TE\Sync\Clip signals.
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Samsung DCS-828 wire Tap Distance Chart

	25	50	100	200	400	Tap to PBX (ft)
2400	0ft	0ft	0ft	0ft	0ft	
1600	200ft	200ft	200ft	200ft	200ft	
800	200ft	200ft	0ft	200ft	200ft	
400	100ft	100ft	0ft	100ft	100ft	
200	200ft	200ft	200ft	100ft	200ft	
100	200ft	200ft	200ft	200ft	0ft	

Tap to Phone (ft)

PBX Type:

Samsung DCS-828

Phone Type:

DS-24SE-KTS

Software:

Smartworks 3.5.2

Board Type:

NGX2400

Cable type:

- 1. Tap to Phone= Cat 3
- 1. Tap to NGX = Cat 3
- 1. Tap to PBX = Cat 3

Matrix Decsription:

The entries in the matrix are the highest Recommended cable lengths from the Tap to NGX , corresponding to the position in the matrix in reference to Tap to phone, and Tap to PBX.

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Avaya Merlin MLX wire Tap Distance Chart

	25	50	100	200	400	Tap to PBX (ft)
2400	200ft	200ft	200ft	200ft	200ft	
1600	200ft	200ft	200ft	200ft	200ft	
800	200ft	200ft	200ft	200ft	200ft	
400	200ft	200ft	200ft	200ft	200ft	
200	200ft	200ft	200ft	200ft	200ft	
100	200ft	200ft	200ft	200ft	200ft	

Tap to Phone (ft)

PBX Type:

Avaya Merlin MLX

Phone Type:

MLX-28D

Software:

Smartworks 3.5.2

Board Type:

NGX2400

Cable type:

- 1. Tap to Phone= Cat 3
- 1. Tap to NGX = Cat 3
- 1. Tap to PBX = Cat 3

Matrix Description:

The entries in the matrix are the highest Recommended cable lengths from the Tap to NGX , corresponding to the position in the matrix in reference to Tap to phone, and Tap to PBX.

Pass\Fail Criteria

The Pass criteria is determined by the following factors:

- 1. Automated Cable test procedure to monitor Framer Statistic Errors of NT\TE\Sync\Clip signals.
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Fujitsu 9600 wire Tap Distance Chart

	25	50	100	200	400	Tap to PBX (ft)
2400	200ft	200ft	200ft	200ft	100ft	
1600	200ft	200ft	200ft	200ft	200ft	
800	200ft	200ft	200ft	200ft	200ft	
400	200ft	200ft	200ft	200ft	200ft	
200	200ft	200ft	200ft	200ft	200ft	
100	200ft	200ft	200ft	200ft	200ft	

Tap to Phone (ft)

PBX Type:

Fujitsu 9600

Phone Type:

F10B-0790-B001-BK

Software:

Smartworks 3.5.2

Board Type:

NGX2400

Cable type:

- 1. Tap to Phone= Cat 3
- 1. Tap to NGX = Cat 3
- 1. Tap to PBX = Cat 3

Matrix Description:

The entries in the matrix are the highest Recommended cable lengths from the Tap to NGX , corresponding to the position in the matrix in reference to Tap to phone, and Tap to PBX.

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