



ATT-TELCO-002-200-354

GNFO-CO: Central Office RF Policy

Abstract:

This document provides direction to Central Office (CO) personnel regarding the use of Radio Frequency (RF) emitting devices within the Central Office.

Audience:

GNFO-CO Personnel

Product Name:

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Related Documents: Practice #: EHS-4500-PRC

Canceled Documents:

Business Unit: Global Network Operations

Points Of Contact: See CO Manager.

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Table Of Contents

INTRODUCTION

General

Reason For Current Issue

1.	Reason For Current Issue	1
2.	Policy	1
3.	Related Documents	2
4.	Acknowledgements	4
5.	Contact List	4
6.	Revision Log	5
A.1.	Document Specific Acronyms	5
A.2.	Acronyms Dictionary	6

	Revision Log	5
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	ACRONYMS	5
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General

All Methods and Procedures in this document adhere to AT&T's competition policy which includes compliance with the section 272 (e)(1) parity service requirements with respect to exchange and exchange access services, and employees are reminded to consult with Legal regarding any section 272(e)(1) issues or questions. Section 272(e)(1): A Telco shall fulfill any requests from an unaffiliated entity for telephone exchange service and exchange access within a period no longer than the period in which it provides such telephone exchange service and exchange access to itself or to its affiliates.

Reason For Current Issue

Issue Number	Date	Description	Published By
6	05/06/09		jb0239

INTRODUCTION

The purpose of this document is to provide AT&T employees, contractors and vendors a standard understanding and policy regarding the use of digital cellular phones in the Central Office equipment environment. The use of other RF device emitting sources is restricted and under further study due to the variety and complexity of the issue.

1. Reason For Current Issue

DATE	ISSUE	DESCRIPTION
05-01-08	Initial	

2. Policy

The use of Radio Frequency (RF) devices in AT&T Central Offices equipment areas is restricted. All exceptions to this policy must be approved by the Central Office manager responsible for that location. **The recommendation is that digital cell phones may be used no closer than one (1) foot from CO switch processors. Analog mobile phones should not be used within ten (10) feet of CO switch processors.** All exceptions to this policy are device specific

and must be authorized by the location manager under the guidelines authorized by the Common Systems Technical Staff.

Digital cell phones and other radio frequency devices have become both a convenience and a business practicality within the business community. The purpose of establishing a policy on their use within Central Office equipment facilities is derived from AT&T responsibility to our employees and customers.

Methods Of Procedures (MOP's) submitted for approval involving work that will take place within Central Office equipment rooms, will need to establish clear guidelines that digital mobile devices are not to be used any closer than one (1) foot from Central Office equipment.

Anecdotal evidence that some types of analog and digital mobile communication devices may have caused electronic disruption of service when used within close proximity of telecommunication processors is under investigation by Telcordia and other communication equipment manufacturers. Digital cell phone communication devices should not be used within one (1) foot of the Central Office switch processors. Analog cell phones devices should not be used within ten (10) feet of Central Office switch processors. Use of these devices in Central Office equipment areas will be authorized by the CO location manager unless specifically prohibited by local policy. The recommendation is for the removal of antiquated placards and existing warning signs. Use of mobile communication devices will be allowed in non-equipment common areas i.e., break rooms, halls, storage areas, etc. Posted placards and existing warning signs can be removed from building locations unless local management feels there is a specific need to restrict usage.

A list of already approved devices is located at http://mechteam.sbc.com:8080/docs/rf_issues/index.html

3. Related Documents

Common Systems RF Policy and exemptions:

Policy

The use of RF emitting sources (other than digital cell phones) in AT&T Central Office equipment areas is restricted. All exceptions to this policy are device specific and must be authorized by the Common Systems Technical Staff. Approved devices are listed below. A copy of this policy may be found at the Common Systems web site at <http://ebiz.sbc.com/commonsystems/>.

This policy applies to all AT&T employees, outside contractors, other personnel and visitors. This policy applies to all two-way radios, two-way pagers, wireless (RF) modems/computers, cordless phones, PCS handsets, analog and digital cellular telephones, electronic flash units and arc welding devices.

List of RF Emitting Sources Approved for use in AT&T Central Office Equipment Areas:

Cell Phones:

Digital Cellular Phones

Digital cell phones may be used in central office equipment areas under the following conditions:

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• Digital cell phones, those using TDMA, CDMA, and GSM technology (including blackberry-type devices) may not be used within one (1) foot of active CO switch processors*. Phones manufactured in the last few years use these technologies.

Analog Mobile Phones

Analog mobile phones may not be used within ten (10) feet of active CO switch processors. This also includes Push To Talk type phones such as the type used by Nextel since it uses TDMA technology as well.

***Note:** Further study is planned to verify if space restrictions are still warranted.

Wi-Fi:

Access Point

The Foundry IP200 access point may be placed in central office equipment rooms under the following conditions:

• It is installed at least 10 feet but no further than 75 feet radially from any telecommunications equipment or another access point.

This device may be installed in non-telecommunications equipment areas of a central office without any restriction i.e., administrative areas and lobbies.

PC Based Wireless Equipment :

The following PC based wireless equipment may be used in central office equipment rooms:

- IFD--Intel Pro/Wireless 2915A/B/G & Sony Ericsson GC-83 Pc card (GPRS).
- HP NC6000--Intel PRO/Wireless 2200BG Network Connections.
- Dell D400--Intel PRO/Wireless Lan 2100 3A mini PCI Adapter.
- Cisco PC Card--Cisco Aironet 802.11a/b/g Wireless Adapter (AIR-CB21AG-A-K9).

Cordless Phones:

SpectraLink Link Wireless Telephone System

The SpectraLink System may be used in central office equipment rooms.

Nortel Companion Link Wireless Telephone System

The Nortel Companion System may be used in central office equipment rooms.

Panasonic KX-TG2000B Cordless System

Panasonic KX-TG2000B Cordless System central office equipment rooms without restrictions.

Panasonic KX-TG4500B Cordless System

The Panasonic KX-TG4500B Cordless System may be used in central office equipment rooms with the following restrictions:

- Maintain a minimum of (4) feet between the base or the handsets and any telecommunications equipment.
- As a part of the work activity, it must be determined that this restriction can be met and it must be incorporated into the job's MOP.

SBC (AT&T) Freedom Link System

The SBC Freedom Link System may be used in central office equipment rooms.

Airway 516 Cordless System

The Airway 516 Cordless System may be used in central office equipment rooms without restrictions.

Radios

FRS (Family Radio Service) Radios

FRS radios (short range hand held walkie-talkies) may be used in central office equipment rooms under the following conditions:

- The radio, while transmitting, is six (6) feet or more from the telecommunications equipment.
- As a part of the work activity, it must be determined that this restriction can be met and it must be incorporated into the job's MOP.

Common Systems Web Site <http://ebiz.sbc.com/commonsystems>

4. Acknowledgements

5. Contact List

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6. Revision Log

DATE	ISSUE	DESCRIPTION
May 01,2008	1	Initial Issue
May 19, 2008	2	Update keyword
May 23, 2008	3	Update wording in section 2 Policy
June 24, 2008	4	Update to remove word main in section 2 Policy
July 30, 2008	5	Change wording Section 3 from telecommunications equipment to CO switch processors.
May 5, 2009	6	Change wording to allow digital cell phone use up to 1 foot from CO switch processors.

Revision Log

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Acronyms

A.1. Document Specific Acronyms

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A.2. Acronyms Dictionary

[Refer to ATT-000-000-020, Acronyms Dictionary.](#)