

# Requesting Deviations From Protection Practice Requirements

---

Contents	Subject	Page
	<b>1. General</b> .....	<b>1</b>
	1.1 Purpose .....	1
	1.2 Filing instructions .....	1
	1.3 Supersedures .....	1
	1.4 Copyright and Responsibility .....	2
	1.5 Disclaimer .....	2
	<b>2. Overview</b> .....	<b>2</b>
	2.1 Introduction .....	2
	2.2 Reasons for Requests .....	3
	<b>3. Submitting a Request</b> .....	<b>3</b>
	3.1 Requesters .....	3
	3.2 Form .....	3
	3.3 Originator .....	5
	3.4 Protection Engineer .....	6
	3.5 Distribution .....	7

---

## 1. General

---

**1.1 Purpose** This practice provides information for requesting exceptions to electrical protection requirements given in protection practices.

**1.2 Filing Instructions** File Issue 1 in numerical order in your **practices set**.

**1.3 Supersedures** This practice supersedes all local practices and procedures amending or referencing any alternative to the contents of this practice.

# 1. **General, continued**

---

## **1.4 Copyright and Responsibility**

This practice was written by the Telephone Operations Transmission/OSP Engineering Department and published by the Telephone Operations Administrative Services Group. For more information about this practice contact the Manager - Protection Engineering Support.

No part of this work may be reproduced or copied in any form or by any means -- graphic, electronic, or mechanical, including photocopying, recording, taping, or information storage and retrieval systems - without the written permission of the Administrative Services Group, GTE Telephone Operations Headquarters, Irving, Texas.

## **1.5 Disclaimer**

This practice has been prepared for GTE Telephone Operations employees, customers, and end users' employees who operate and maintain the equipment engineered and installed by GTE. The information in this practice is subject to change and may not be suitable in all situations. GTE Telephone Operations acknowledges that a customer's special requirements or practices may take precedence over those supplied in this practice if a conflict develops during installation or ongoing operation. GTE Telephone Operations hereby disclaims any responsibility or liability for any consequential or inconsequential damages that may result from the use of this practice.

# 2. **Overview**

---

## **2.1 Introduction**

GTE Telephone Operations practices in series 795,887, and 903 contain electrical protection requirements and procedures which guard against damage and injury from:

- Lightning surges at the:
  - Central office.
  - Customer premises.
  - Outside plant facilities.
- Electrical power faults, such as:
  - Line-to-ground faults.
  - Phase-to-phase faults.
  - Switching transients.
- Coupling to the telephone facilities by:
  - Conduction.
  - Induction.

## 2. Overview, continued

---

### 2.1 Introduction, continued

These protection requirements:

- Prevent injury to:
  - Customers.
  - Employees.
- Minimize:
  - Property damage.
  - Equipment damage.
  - Noise induction.

### 2.2 Reasons for Requests

Occasionally deviations must be made from protection practice requirements because of extenuating circumstances, such as:

- Budget limitations.
- Manpower shortages.

However, a deviation from protection requirements MUST NOT result in a:

- Safety hazard.
- Condition affecting service.

## 3. Submitting a Request

---

### 3.1 Requesters

The following groups normally request deviations from protection requirements:

- COE, OSP, and Land and Buildings Engineering.
- Technical Support Services.
- Quality Review Teams.
- Central Office Protection Engineering (COPE).
- Administrator - T 8 P.

**NOTE : Any Individual or work group whose duties include dealing with electrical protection may originate a request for deviation.**

### 3.2 Form

The form on the following page is the suggested format for the Grounding Protection Deviation Form (GPDF). This form should be created locally by the work group originating the request.

**NOTE: This Is a suggested format. Some Information Included In the form may differ slightly from the following example.**

### 3. Submitting a Request, continued

---

#### 3.2 Form, continued

---

#### GTEP DEVIATION FORM GROUNDING AND PROTECTION

GPDF# \_\_\_\_\_

Requested by: \_\_\_\_\_

Date: \_\_\_\_\_

Title/Location: \_\_\_\_\_

Mail Code: \_\_\_\_\_

Type Facility/Switch (GTD-5, DCO, etc.): \_\_\_\_\_

**REASON(S) FOR DEVIATION:** \_\_\_\_\_

---

---

---

In this particular case and for the above reasons, the requested deviation is acceptable until \_\_\_\_\_.  
(enter an expiration date or enter "indefinite")

\_\_\_\_\_  
Protection Engineering Support

Date: \_\_\_\_\_

The requested deviation is not acceptable because of: \_\_\_\_\_

---

---

\_\_\_\_\_  
Protection Engineering Support

Date: \_\_\_\_\_

Remarks/Mean of correction: \_\_\_\_\_

---

---

---

**Suggested GPDF Format**

---

### 3. Submitting a Request, continued

---

#### 3.3 Originator

The originator of the form completes the following information and sends the form to the Protective Engineering Support Staff in the affected Operating Area.

---

<b>Field Label</b>	<b>Enter...</b>
Requested by:	The originator of the request.
DATE:	The date of the request.
Title/Location :	The originator's title and location.
Mail Code :	The originator's mail code.
Type Facility/Switch (GTD-5, DCO, etc.):	The type of facility and type of switch affected by the protection practice deviation.
Reason(s) for Deviation:	A detailed explanation for the requested deviation.
Remarks/Mean of Correction	Space for additional remarks by the originator or Protection Engineer.

---

### 3. Submitting a Request, *continued*

---

#### 3.4 Protection Engineer

The Protection Engineer completes the following information:

---

Field Label	Enter...
GPDF #	<p>An alphanumeric identifier consisting of a:</p> <ul style="list-style-type: none"><li>• Two-letter code identifying the Area Name (e.g., SW - Southwest).</li><li>• Sequential number identifying the form (e.g., 01 -form#1, 02-form#2, 03-form#3, etc.).</li><li>• Date identifying the year of issue (e.g., 90).</li><li>• Two letter Division ID Code or a two digit Division ID number (e.g., SC - South Central Division).</li></ul> <p>For example, GPDF # SW-01-90SC is the first GPDF in the South Central Division of the Southwest Area for the year 1990.</p>

---

---

If the request Is...	Then the Protection Engineer...
----------------------	---------------------------------

---

Approved	<ul style="list-style-type: none"><li>• Fills in the date the deviation will expire.</li></ul> <p><b>NOTE: If the deviation is requested because of budget or manpower constraints, the expiration date should coincide with the resolution of the constraints.</b></p> <p><b>OR</b></p> <ul style="list-style-type: none"><li>• Writes "indefinite" to designate no particular expiration date.</li></ul> <p><b>NOTE: "Indefinite" can be entered only if there are circumstances (e.g., cost prohibiting work, repairs, or retrofits) which make a realistic expiration date impossible.</b></p>
----------	--

---

(continued)

### 3. Submitting a Request, continued

---

#### 3.4 Protection Engineer, continued

---

If the request Is...	Then the Protection Engineer...
----------------------	---------------------------------

---

Denied	Writes a reason the request is denied in the space provided.
--------	--

---

---

Protection Engineering support	The name of the Protection Engineer which approves or denies the request.
--------------------------------	---

---

Date	The date the request is approved or denied.
------	---

---

Remarks/Mean of Correction	Space for additional remarks by the Protection Engineer or the originator.
----------------------------	--

---

#### 3.5 Distribution

The original copy of the request is returned to the originator. The originator is responsible for distributing copies to work groups that will be affected by the request (e.g., Land and Buildings Engineering, Switching Services, etc.).

When the deviation concerns Central office Grounding (GTEP 795 series), a copy of the approved deviation form MUST be kept with:

- Central office permanent records.
- Form **90001528** "Inspection - Central Office Grounding and Protection" for the affected central office.

**NOTE: All requests for deviations must be directed to the Protection Engineering Support Staff In the respective Operating Area.**

