

## Chapter PSC 165

## STANDARDS FOR TELEPHONE SERVICE

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**History:** Chapter PSC 165 as it existed on October 31, 1968 was repealed and a new chapter PSC 165 was created effective November 1, 1968.

**PSC 165.01 General.** (1) Chapter PSC 165 of the public service commission's departmental rules is part of the Wisconsin Administrative Code and constitutes a general order of the public service commission, the issuance of which is authorized by sections 227.014, 196.02, 196.06, 196.10, 196.12, 196.15, 196.16, 196.17, 196.19, Wis. Stats.

(2) The rules making up chapter PSC 165 are designed to effectuate and implement sections 196.02, 196.03, 196.06, 196.10, 196.12, 196.15, 196.16, 196.17, 196.19, 196.21, 196.22, 196.60, 196.62, 196.625, 196.72 and parts of other sections of the Wisconsin statutes.

(3) The requirements of chapter PSC 165 shall be observed by all telephone public utilities except insofar as an exemption may be made by the commission as hereinafter mentioned. Nothing herein shall preclude special and individual consideration being given to exceptional or unusual situations and upon due investigation of the facts and circumstances therein involved, the adoption of requirements as to individual utilities or services which shall be lesser, greater, other, or different than those provided in these rules and regulations.

(4) The manner of enforcing the rules in chapter PSC 165 is prescribed in section 196.66, Wis. Stats., and such other means as provided in statutory sections administered by the public service commission.

(5) In case of emergency, where public interest requires immediate action without waiting for compliance with the specific terms of these rules, the rules shall not prevent immediate corrective action by the utility, which action, however, shall be subject to review by the public service commission.

**History:** Cr. Register, October, 1968, No. 154, eff. 11-1-68.

**PSC 165.02 Definitions.** In the interpretation of these rules, the following definitions shall be used:

(1) "AVERAGE BUSY SEASON—BUSY HOUR TRAFFIC"—The average traffic volume for the busy season, busy hour.

(2) "BASE RATE AREA"—The area in which urban main station service is furnished without mileage charges.

(3) "BUSY HOUR"—The clock hour of the average day of the busy season during which the greatest volume of traffic is handled in the central office.

(4) "BUSY SEASON"—That period of the year during which the greatest volume of traffic is handled in the central office.

(5) "CALLS"—Customers' telephone messages attempted.

(6) "CLASS OF SERVICE"—The various categories of services generally available to customers, such as business or residence.

(7) "CENTRAL OFFICE"—A switching unit, in a telephone system which provides service to the general public, having the necessary equipment and operating arrangements for terminating and inter-connecting subscriber lines and trunks or trunks only. There may be more than one central office in a building.

(8) "COMMISSION"—The Public Service Commission of Wisconsin.

(9) "CUSTOMER OR SUBSCRIBER"—Any person, firm, partnership, corporation, municipality, cooperative organization, governmental agency, etc., provided with telephone service by any telephone utility.

(10) "CUSTOMER TROUBLE REPORT"—Any oral or written report from a subscriber or user of telephone service relating to a physical defect or to difficulty or dissatisfaction with the operation of telephone facilities.

(11) "EXCHANGE"—A unit established by a telephone utility for the administration of telephone service in a specified area which usually embraces a city, town, or village and its environs. It consists of one or more central offices together with associated plant used in furnishing communication service in that area.

(12) "FARMER LINE"—See SERVICE LINE.

(13) "GRADE OF SERVICE"—(a) The type of service furnished a customer with respect to the number of main telephones which may be connected to a central office line. (1-party, 2-party, 4-party, and multi-party.)

(b) A measurement of the busy hour traffic capacity of a trunk group stated in terms of the ratio of the number of calls encountering an all-trunk-busy condition to the total number of calls presented to the group during the busy hour. (E.G. A grade of service of P=.03 means that 3% of the busy hour calls presented to the group encountered an all-trunk-busy condition.)

(14) "HELD APPLICATION"—A firm but unfiled application for new service or different class or grade of service which is not filled within 30 days.

(15) "LINE FILL"—The number of parties served on a telephone line such as 1-party, 2-party, 4-party, etc.

(16) "MESSAGE"—A completed customer telephone call.

(17) "OUTSIDE PLANT"—The telephone equipment and facilities installed on, along, over, or under streets, alleys, highways, or on private rights-of-ways between the central office and customer locations or between central offices.

(18) "REGRADE"—An application for a different, usually better, grade of service.

(19) "SERVICE LINE"—Those facilities owned and maintained by a customer or group of customers that constitute a public utility whose lines are connected with the facilities of another telephone utility for telephone service. Sometimes referred to as "SWITCHED-LINE".

(20) "SUBSCRIBER LINE"—The wires or channels used to connect the telephone equipment at the subscriber's premises with the central office.

(21) "SWITCHING SERVICE"—Switching performed for service lines.

(22) "TELEPHONE SERVICE"—All telephone service provided by telephone utilities including regular subscriber services, leased lines, teletypewriter, data transmission, etc.

(23) "TELEPHONE UTILITY"—Any person, firm, partnership, cooperative organization, or corporation engaged in the furnishing of telephone service to the public under the jurisdiction of the commission.

(24) "TOLL CONNECTING TRUNKS"—A general classification of trunks carrying toll traffic and ordinarily extending between a local office and a toll office.

(25) "TOLL STATION"—A telephone connected to a toll line installed for the purpose of furnishing message toll service.

**History:** Cr. Register, October, 1968, No. 154, eff. 11-1-68.

**PSC 165.031 Retention of records.** All records required by these rules shall be preserved for the period of time specified by the public service commission.

**History:** Cr. Register, October, 1968, No. 154, eff. 11-1-68.

**PSC 165.032 Schedules to be filed with the commission.** The provisions of the schedules of rates and rules filed with the commission and comprising the filed tariff of the utility shall be definite and so worded as to minimize ambiguity or the possibility of misinterpretation, and shall include, together with such other information as may be deemed pertinent, the following:

(1) A list of the exchanges and a tabulation of the rates and charges for local exchange service at those exchanges.

(2) A map of each exchange showing the various rate areas. (Base rate, locality, zone and rural areas.)

- (3) A tabulation of the extended-area service furnished.
- (4) Definitions of classes of service.
- (5) Rules for extending service to new customers indicating what portion of the line extension or the cost thereof will be furnished by the utility.
- (6) Rules governing the establishment or re-establishment of service including credit requirements. (See Wis. Adm. Code section PSC 165.052.)
- (7) Rules governing the procedure followed in disconnecting and reconnecting service. (See section PSC 165.051.)
- (8) Rules governing foreign exchange service (where offered) and other service offerings together with the corresponding rates and charges.
- (9) Rules governing the billing procedures and payment requirements. (A sample bill form should be submitted.)

**History:** Cr. Register, October, 1968, No. 154, eff. 11-1-68.

**PSC 165.033 Exchange area boundaries.** Each telephone utility may file exchange area boundary maps in compliance with Wis. Adm. Code chapter PSC 166.

**History:** Cr. Register, October, 1968, No. 154, eff. 11-1-68.

**PSC 165.034 Utility accidents and interruptions.** Each telephone utility shall observe the requirements of Wis. Adm. Code chapter PSC 104, with respect to recording and reporting utility accidents and interruptions.

**History:** Cr. Register, October, 1968, No. 154, eff. 11-1-68.

**PSC 165.04 Meter reading records.** When meters are used in connection with telephone service the meter reading records from which the customers' bills are prepared shall show:

- (1) Identifying number or means to determine readily the customer's name, address, and service classification.
- (2) Meter readings.
- (3) Date of meter reading.
- (4) Multiplier or constant, if used.

**History:** Cr. Register, October, 1968, No. 154, eff. 11-1-68.

**PSC 165.041 Meter reading interval.** As nearly as practicable meters shall be read at intervals to correspond to customer billing periods.

**History:** Cr. Register, October, 1968, No. 154, eff. 11-1-68.

**PSC 165.042 Billing recording equipment.** Where mechanical and/or electronic means are used for recording information that will affect a customer's bill for local and/or toll service, such equipment shall be inspected when assigned and periodically on a sampling basis to see that it is functioning properly and accurately. The utilities shall keep records of malfunctions. The retention period for such records shall be 2 years.

**History:** Cr. Register, October, 1968, No. 154, eff. 11-1-68.

**PSC 165.05 Customer billing.** (1) Bills to customers shall be rendered regularly and shall contain a clear listing of charges. Utilities shall comply with reasonable customer requests for an itemized statement of charges.

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(2) In the event of a dispute between the customer and the utility, the customer's service shall not be disconnected for non-payment of that portion of the bill under dispute pending investigation by the utility. If the utility determines, following such investigation, that the service and facilities have been provided the customer pursuant to the utility's tariffs and the Standards for Telephone Service, and the utility has provided the customer with the available substantiating information and the dispute remains unresolved, the utility may then disconnect the service. Upon commission request telephone service may not be suspended or disconnected because of an amount involved in a complaint which is before the commission.

(3) In the event the customer's service is interrupted otherwise than by the negligence or willful act of the customer and it remains out of order for a substantial period of time after being reported or found to be out of order, appropriate adjustments or refunds shall be made to the customer. The refund to the customer shall be the pro rata part of the month's charge for the period of days that the portion of the service and facilities are rendered useless or inoperative. The refund may be accomplished by a credit on a subsequent bill for telephone service.

**History:** Cr. Register, October, 1968, No. 154, eff. 11-1-68.

**PSC 165.051 Refusal of service and disconnection.** (1) The utility may disconnect service for non-payment of exchange and toll service charges billed and unpaid for a period of 90 days or less but not for older delinquencies.

(2) The utility may not refuse establishment or re-establishment of service if satisfactory arrangements are made for payment of bills for future service except as provided in subsection (6) (a) below.

(3) The utility may only refuse or disconnect service to comply with governmental requirements or with rules filed with the commission.

(4) The utility may not disconnect service because of violation of the utility's rules pertaining to the use of service in a manner which interferes with the service of others unless the customer has first been notified and been afforded reasonable opportunity to comply with said rules; provided, however, in case of emergency where the public interest requires immediate action or the customer has abandoned service, service may be discontinued without notice.

(5) The utility may not bill or attempt to collect by the threat of disconnection or by refusal of service the delinquency in payments by a previous occupant of the premises other than a member of the same household residing at the same premises.

(6) The utility may not attempt to collect by the threat of disconnection or by refusal of service:

(a) For delinquency in payments at another location unless service was continuous from the other location to the new location and no final bill was rendered with respect to such service.

(b) For delinquency in payment for another class of telephone service.

(c) For failure to pay another customer's bill as guarantor thereof.

(d) For failure to pay for advertising charges or bills not based on filed rates and charges.

(e) For failure to pay increased charges applicable to a past period which result from the correction of a misapplication of rates.

(7) No telephone utility shall disconnect service, except as provided elsewhere in section PSC 165.051, without at least a 5-day written notice.

**History:** Cr. Register, October, 1968, No. 154, eff. 11-1-68.

**PSC 165.052 Rules governing credit.** Rules filed under section PSC 165.032 (6) governing the establishment of credit by customers for the payment of service bills shall be subject to the following provisions:

(1) **CASH DEPOSITS.** (a) The amount of deposit required shall not exceed the bill for 1 month's exchange service plus estimated toll charges for 2 months.

(b) Deposits shall bear simple interest at the rate of 5% per annum. No interest need be paid on deposits held less than 30 days.

(c) In the case of residential service the deposit shall be refunded upon request of the customer after 12 consecutive months of prompt payment and refunded voluntarily without request by the utility after 36 consecutive months of prompt payment.

(d) In the case of business service the deposit shall be returned on request after 36 months of prompt payment.

(2) **GUARANTORS.** (a) The guarantor shall be satisfactory to the utility.

(b) The guarantor shall guarantee the payment of all specific charges for telephone facilities and services covered on the date the guarantee arrangement is entered into.

(c) The guarantor's obligation shall cease 6 months after the customer moves to another exchange or discontinues service or upon 30 days' written notice by the guarantor to the utility.

(3) The utility may request an existing customer for a deposit or guarantee or an increase in a deposit or guarantee only if increased usage warrants such requests or where the customer's payment record is not satisfactory.

(4) Where the customer's business is of a hazardous or temporary nature, the utility may bill such applicant on other than a monthly basis with a corresponding adjustment in the deposit or guarantee requirement.

**History:** Cr. Register, October, 1968, No. 154, eff. 11-1-68.

**PSC 165.053 Customer complaints.** (1) Each telephone utility shall make a full and prompt investigation of all types of complaints made by its customers, either directly to it or through the commission. A record shall be kept of all pertinent facts related to the complaint.

(2) If the use of service interferes unreasonably with the necessary service of other customers a customer may be required to take service in sufficient quantity or of a different class or grade.

**History:** Cr. Register, October, 1968, No. 154, eff. 11-1-68.

**PSC 165.054 Held applications.** (1) Each telephone utility shall keep a record of held applications by exchanges showing the name and address of each applicant for service, the date of application, date service desired, the class and grade of service applied for, together

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with the reason for the inability to provide the new service or higher grade of service to the applicant. Utilities shall furnish reports to the commission upon request, by exchange or district, showing held applications, by monthly age groupings.

**History:** Cr. Register, October, 1968, No. 154, eff. 11-1-68.

**PSC 165.055 Directories.** (1) Exchange alphabetical telephone directories shall be made available to customers without charge for each local main station and extension. The listings of customers in foreign exchanges to which extended-area service is provided shall also be made available without charge to all local customers. Where such listings are not actually furnished all customers, the utility shall state in the directory how such listings may be obtained. Inclusion of all listings for the calling area within a single volume is recommended.

(2) Directories shall be revised at least annually. Exemptions from this requirement may be allowed in special cases, such as a dial conversion directory, when changed listings and new listings are not sufficient in number to cause serious inconvenience. A shorter directory interval may be necessary where the number of changed listings and new listings is abnormally large.

(3) The name of the utility, exchange covered by the directory, month and year issued, and (in case of automatic exchanges) the area code shall appear prominently on the front cover. If the directory serves more than one exchange, such exchanges shall be listed on the cover, or, for metropolitan areas, in the information pages in front of the directory.

(4) Each directory shall contain the warning to party-line subscribers as required by section 941.35, Wis. Stats., a warning that placing nuisance calls is prohibited by law (section 947.01, Wis. Stats.), a list of common governmental emergency numbers, a list of extended-area service points, and the repair service number, all prominently shown, and pertinent instructions concerning the use of local, extended-area, and toll service. The emergency numbers shall appear either on the inner or outer face of the front cover.

(5) A copy of each new directory shall be filed with the public service commission.

**History:** Cr. Register, October, 1968, No. 154, eff. 11-1-68.

**PSC 165.06 Construction.** Construction of telephone plant shall be subject to the provisions of the current Wisconsin state electrical code and chapter PSC 162, Wis. Adm. Code. The equipment, materials and supplies used for the construction of telephone plant will be those designed for the purpose.

**History:** Cr. Register, October, 1968, No. 154, eff. 11-1-68.

**PSC 165.061 Maintenance of plant and equipment.** (1) Each telephone utility shall adopt and pursue a maintenance program aimed at achieving efficient operation of its system so as to permit the rendering of safe, adequate, and continuous service at all times.

(2) Maintenance shall include keeping all plant and equipment in a good state of repair consistent with safety and adequate service performance. Broken, damaged, or deteriorated parts which are no longer serviceable shall be repaired or replaced. Adjustable apparatus and equipment shall be readjusted as necessary when found by preventive routines or fault location tests to be in unsatisfactory oper-

ating condition. Electrical faults, such as leakage or poor insulation, noise induction, crosstalk, or poor transmission characteristics, shall be corrected to the extent practicable within the design capability of the plant affected.

(3) The maintenance program shall also include definite procedures designed to keep the central office equipment rooms clean, and the humidity at a satisfactory level. These rooms should not ordinarily be used for storage of general supplies nor for a general workshop.

**History:** Cr. Register, October, 1968, No. 154, eff. 11-1-68.

**PSC 165.062 Line fills.** (1) Within the base rate area, no utility shall connect more customers on any line than are contemplated under the grade of service charged the customer on such line.

(2) On lines where multi-party service is provided no more than 4 main station customers shall be connected to any one circuit, unless approved by the commission. All circuits now serving more than 4 main station customers shall be changed to meet this requirement by January 1, 1974. Upon application to the commission and for good cause shown, exceptions to the foregoing requirement may be granted in the following instances:

(a) Where the utility has committed itself to line fills of 4 main stations or less by a later date.

(b) Where it is shown that a lack of demand for a line fill of 4 or less exists.

(c) Where it is shown that compliance with the above requirement is not economically feasible or imposes an unreasonable economic burden upon the utility.

(d) Where other circumstances, outside the control of the utility, cause compliance with the requirement to become unreasonable.

The telephone utility may regroup customers in such a manner as may be necessary to carry out the provision of this rule. Upon completion or delay in the meeting of this requirement a report to that effect shall be filed with the commission.

**History:** Cr. Register, October, 1968, No. 154, eff. 11-1-68.

**PSC 165.063 Central office equipment.** Telephone utilities providing new dial central offices shall provide as a minimum:

(1) Full selective ringing on all 2-party and 4-party lines and semi-selective ringing on all multi-party (8 parties) lines. Exceptions to this requirement may be made with the approval of the commission, but in no case shall any new dial central offices installed after January 1, 1971 provide less than full selective ringing on 2-party and 4-party lines.

(a) On 1- and 2-party lines the ringing period shall be no greater than 2 seconds or less than 1 second, the silent period shall be no less than 4 seconds and no greater than 5 seconds.

(b) On 4- and multi-party lines the ringing period shall be no greater than 3 seconds or less than 1 second, the silent period shall be no less than 3 seconds and no greater than 5 seconds.

(2) Adequate intercept to cover changed numbers, vacant numbers and vacant levels.

(3) Subscriber line busy verification limited to operator and maintenance personnel access in order to insure secrecy of communications.

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(4) Metering of trunk groups, to measure peg count (PC) and overflow (OF) or peg count (PC) and all trunks busy (ATB), or to measure usage.

(5) Arrangement for connection of traffic recording devices to measure usage. This is not to be construed as meaning that special equipment is required, the attachment of portable equipment by means of cables or leads to suitable access points will be considered as meeting the requirements of this section.

(6) From a service and operating cost standpoint terminal per station equipment is the most desirable. Justification for installing terminal per line equipment is required by the commission.

(7) Justification for including any local conversation timing equipment is required.

**History:** Cr. Register, October, 1968, No. 154, eff. 11-1-68.

**PSC 165.064 Local switching service.** (1) Effective with the adoption of these rules, telephone utilities shall not provide additional local switching service to lines of other telephone utilities which do not meet the technical criteria of these rules.

**History:** Cr. Register, October, 1968, No. 154, eff. 11-1-68.

**PSC 165.065 Emergency operation.** (1) Each telephone utility shall make reasonable provision to meet emergencies resulting from failures of lighting or power service, sudden and prolonged increases in traffic, illness of operators, or from fire, storm, or similar emergencies, and each telephone utility shall inform employes as to procedures to be followed in the event of emergency in order to prevent or mitigate interruption or impairment of telephone service.

(2) It is essential that all central offices have reasonably adequate provision for emergency power. For offices without installed emergency power facilities, there shall be a mobile power unit available which can be delivered on reasonably short notice, and which can be readily connected. All telephone utilities shall comply with this requirement by January 1, 1969.

**History:** Cr. Register, October, 1968, No. 154, eff. 11-1-68.

**PSC 165.066 Protection of utility facilities.** A public utility upon receipt of written notice as required by section 66.047 (2), Wis. Stats., from the property owner or from a contractor of work which may affect its facilities used for serving the public:

(1) Shall investigate and decide what action, if any, must reasonably be taken to protect or alter utility facilities, in order to protect service to the public and to avoid unnecessary damage, such as identifying in a suitable manner the location of any underground utility facilities which may be affected by the work.

(2) The utility shall take such action as is reasonably and legally necessary to protect, remove, alter, or reconstruct its facilities, and shall perform such work with reasonable dispatch taking into account the conditions to be met, provided that nothing in this rule shall be deemed to affect any right which the utility may have to require advance payment or adequate assurance of payment of the reasonable cost thereof to the utility by the property owner or contractor.

(3) The utility may, in order to protect its interest, require that the owner or contractor perform certain work upon that part of the

service piping or wiring on or being removed from the property on which the excavating, building, or wrecking operations are being performed.

(4) This rule is not intended to affect the responsibility of the contractor or owner, or the liability or legal rights of any party.

**History:** Cr. Register, October, 1968, No. 154, eff. 11-1-68.

**PSC 165.067 Interference with public service structures.** (1) No utility having any work upon, over, along, or under any public street or highway or upon, over, along, or under any private property shall interfere with, destroy, or disturb the structures of any other public service corporation or railroad encountered in the performance of such work so as to interrupt, impair, or affect the public service for which such structures may be used, without first reaching an agreement concerning the location and the nature of the proposed work.

(2) A utility shall exercise care when working in close proximity of existing facilities. When the facilities are underground and are to be exposed or possibly may be exposed, hand-digging shall be employed. In these cases, such support as may be reasonably necessary for protection of the facilities shall be provided in and near the construction area. When backfilling an excavation such procedures and materials will be employed to provide reliable support for existing underground facilities in and near the construction area.

(3) A utility shall, in the absence of working arrangements, give at least 3 days' written notice (not counting Saturdays, Sundays, and legal holidays) to all utilities or railroads and to those who may have facilities in and near the construction area which may be affected by the proposed work. The utility proposing to work shall obtain from the affected party the location of the existing facilities determined to be affected or to be in and near the construction area.

(4) A utility upon receiving a notice of proposed construction shall furnish in 3 days detailed information relative to location and type of facilities that are present in the proposed construction area. In those cases where the facilities are underground, they shall be marked physically in the field relative to location.

(5) Nothing in the above shall prevent a utility from proceeding as quickly as possible with any emergency construction work which might interfere with existing facilities. However, all reasonable precautions shall be taken to avoid or minimize damage or interference to the other facilities and notification shall be given as soon as possible to the utilities which have facilities in the construction area.

**History:** Cr. Register, October, 1968, No. 154, eff. 11-1-68.

**PSC 165.07 Provision for testing.** Each telephone utility shall provide or have access to test facilities which will enable it to determine the operating and transmission capabilities of circuit and switching equipment, either for routine maintenance or for fault location.

**History:** Cr. Register, October, 1968, No. 154, eff. 11-1-68.

**PSC 165.071 Meter and recording equipment test facilities.** (1) Each utility furnishing telephone service, where local exchange billing is based on the number and/or duration of messages, shall provide the necessary facilities, instruments, and equipment for testing its metering and recording equipment. Any utility may be exempted from this requirement by the commission, provided that satisfactory arrange-

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ments are made for test of its meters and recording equipment by another utility or approved agency.

(2) The over-all accuracy of the test equipment and test procedure shall be sufficient to enable test of meters and recording equipment within the requirements of these rules.

**History:** Cr. Register, October, 1968, No. 154, eff. 11-1-68.

**PSC 165.072 Accuracy requirements.** All meters and/or recording devices used to record data and prepare customer's bills shall be in good mechanical and electrical condition, shall be accurately read and shall not involve approximations. All meters and/or recording devices shall accurately perform the following:

(1) For message rate service, where timing of length of message is not involved, the meter and/or recording device shall show accurately the number of completed messages sent by the station which it is measuring.

(2) For message rate and/or toll service when in addition to recording the calls it is necessary to time the calls, the meter and/or recording device shall show accurately the number of calls and the connected time (for person-to-person calls, conversation time) involved in each call and the station making such call.

(3) Where the recording equipment provides coded information that is used to automatically prepare customer bills, accurate interpretation of such coded information is required.

**History:** Cr. Register, October, 1968, No. 154, eff. 11-1-68.

**PSC 165.073 Initial test.** Every telephone meter and/or recording device shall be tested prior to its installation, either by the utility or an approved organization equipped for such testing.

**History:** Cr. Register, October, 1968, No. 154, eff. 11-1-68.

**PSC 165.074 As-found tests.** All meters and/or recording devices tested in accordance with these rules for routine or complaint tests shall be tested in the condition "as found" in connection with the customer's service prior to removal or adjustment in any respect.

**History:** Cr. Register, October, 1968, No. 154, eff. 11-1-68.

**PSC 165.075 Routine tests.** Each utility shall adopt appropriate practices for the test and maintenance of its meters and/or recording devices to assure the integrity of their operation.

**History:** Cr. Register, October, 1968, No. 154, eff. 11-1-68.

**PSC 165.076 Request tests.** Each utility shall make a test of any meter and/or recording device upon request of any customer, provided such request is not made more frequently than once each 12 months.

**History:** Cr. Register, October, 1968, No. 154, eff. 11-1-68.

**PSC 165.077 Referee tests.** Any customer, by written application to the commission may have a test conducted by the utility in the presence of a representative of the commission.

**History:** Cr. Register, October, 1968, No. 154, eff. 11-1-68.

**PSC 165.078 Test records.** A record of malfunctions of meter and/or recording equipment as found on tests made at the time of assignment or on a periodic sampling basis shall be recorded. Such record shall include the identifying number of the meter and/or recording

device, its type, the date and kind of test, and the results as found in each test. The retention period of such records shall be 2 years.

**History:** Cr. Register, October, 1968, No. 154, eff. 11-1-68.

**PSC 165.08 Adequacy of service.** (1) Each utility shall employ recognized engineering and administrative procedures to determine the adequacy of service being provided to the customer.

(2) Traffic studies shall be made and records maintained to the extent and frequency necessary to determine that sufficient equipment and an adequate operating force are provided during the busy hour, busy season.

(3) Each telephone utility shall provide switchboard service for all exchanges operated during the 24 hours of the day.

(4) Each utility shall employ adequate procedures for assignment of facilities. The assignment record shall be kept up to date and checked periodically to determine if adjustments are necessary to maintain proper balance in all trunk and equipment groups.

(5) Local service furnished by means of line concentrator or subscriber carrier equipment at a given exchange shall be substantially equivalent to that furnished other subscribers at that exchange served by means of normal physical loops.

**History:** Cr. Register, October, 1968, No. 154, eff. 11-1-68.

**PSC 165.081 Basic utility obligations.** (1) Each telephone utility shall provide telephone service to the public in its service area in accordance with its rules and tariffs on file with the commission. Such service shall meet or exceed the standards set forth in these "Standards for Telephone Service."

(2) Each telephone utility has the obligation of continually reviewing its operations to assure the furnishing of adequate service.

(3) Each telephone utility shall maintain records of its operations in sufficient detail as is necessary to permit such review and such records shall be made available for inspection by the commission upon request at any time within the period prescribed for retention of such records.

(4) Each telephone utility shall have at its principal office or offices in the state of Wisconsin adequate records or maps showing all equipment components and location, type, use and ownership of all rural and connecting lines as well as records or maps showing location and ownership of local exchange lines, cables, and conduits.

(5) Where a telephone utility is generally operated in conjunction with any other enterprise, suitable records shall be maintained so that the results of the telephone operation may be determined upon reasonable notice and request by the commission.

**History:** Cr. Register, October, 1968, No. 154, eff. 11-1-68.

**PSC 165.082 Traffic and operator rules.** (1) Suitable practices shall be adopted by each telephone utility concerning the operating methods to be employed by operators with the objective of providing efficient and pleasing service to the customers.

(2) Telephone employees shall be instructed to be courteous, considerate and efficient in the handling of all matters, and to comply with the provisions of the Communications Act of 1934, as amended, in maintaining the secrecy of communications. Under no circumstances

shall any telephone utility employe repeat, divulge, or use the nature or content of any local or long distance call. Care must be exercised to avoid diverting business from a subscriber to his competitor or discriminating between subscribers in the attention given their calls.

(3) All operator-handled calls shall be carefully supervised and disconnects made promptly.

(4) If a customer reaches a wrong number on a direct dialed call and notifies the operator, the telephone utility shall take reasonable action to make certain that the charge for the call does not appear on th customer's bill.

**History:** Cr. Register, October, 1968, No. 154, eff. 11-1-68.

**PSC 165.083 Answering time objectives.** Sufficient forces should be maintained at all attended offices to attain the following average daily answer performance objectives:

(1) Toll switchboards—90% of the calls answered within 10 seconds.

(2) Operator identified DDD calls—95% of the calls answered within 5 seconds.

(3) Manual common battery and/or magneto switchboards—95% of the calls answered within 10 seconds.

(4) Information and intercept calls—85% of the calls answered within 10 seconds and 92% within 20 seconds.

(5) Repair calls—92% answered within 20 seconds.

(6) Answering time recorders shall be installed or adequate service observing measurement be established in all toll centers and higher rank offices.

**History:** Cr. Register, October, 1968, No. 154, eff. 11-1-68.

**PSC 165.084 Dial service objectives.** (1) Sufficient central office capacity and equipment shall be provided to meet the following minimum requirements during average busy season-busy hour:

(a) Dial tone speed—95% within 3 seconds.

(b) Intraoffice trunking shall be designed so that 96% of the calls can be handled without encountering an all trunks busy condition. Any intraoffice trunk group shall be designed so that no more than 1% of the calls encounter an all trunks busy condition.

(c) Each utility shall employ appropriate procedures to determine the adequacy of central office equipment.

**History:** Cr. Register, October, 1968, No. 154, eff. 11-1-68.

**PSC 165.085 Interoffice trunks.** Quantities of local interoffice trunks between central offices in multioffice exchanges and toll connecting trunk shall be designed so that at least 97% of calls offered to the group will not encounter an all-trunks-busy condition. The objective for extended-area service trunks shall be no less than 94%.

**History:** Cr. Register, October, 1968, No. 154, eff. 11-1-68.

**PSC 165.086 Transmission requirements.** Telephone utilities shall furnish and maintain adequate plant, equipment, and facilities to provide satisfactory transmission of communications. Transmission design, which includes the consideration of noise and cross-talk, shall be such as to assure that objectives stated in section PSC 165.087 are met by better than 95% of the trunks and subscribers' lines in service. It is recognized that, due to extreme environmental condi-

tions and economic factors, it is normal to have a small percentage of items that exceed objective levels. In the event that the loss exceeds the stated objectives by more than 4 db, or the noise exceeds the stated objectives by more than 10 db, such cases of excess loss or noise shall be considered as troubles requiring correction.

**History:** Cr. Register, October, 1968, No. 154, eff. 11-1-68.

**PSC 165.087 Minimum transmission objectives.** (1) The transmission objectives set forth herein are based upon the use of standard telephone sets connected to a 48-Volt dial central office. This does not preclude future designs based on new instruments or voltages other than 48 Volts, provided that equivalent or better transmission is obtained.

(2) Transmission loss as set forth herein means the loss that occurs in a telephone connection, measured in decibels (db) at 1000 cycles per second, exclusive of test pads, impedance matching coils used for measurement, and similar devices.

(3) A subscriber line shall, in general, have a loop resistance not exceeding the operating design of the associated central office equipment. Amplifiers and long line adapters may be used to extend the central office equipment design limits; however, the objectives of these rules must still be met.

(4) The maximum transmission loss objective of any one subscriber loop shall be 10 db. Subscribers' loops with losses in excess of 14 db shall be considered as troubles requiring correction. The maximum transmission loss objective between any two subscribers on separate lines in the same central office shall be 21 db.

(5) The maximum overall transmission loss objective, including the loss of terminating equipment on local interoffice trunks shall be 7 db. Local interoffice trunks with losses in excess of 11 db shall be considered as troubles requiring correction.

(6) The maximum overall transmission loss objective, including the loss of terminating equipment, for toll terminating trunks shall be 4 db. Toll terminating trunks with losses in excess of 8 db shall be considered as troubles requiring correction. The maximum loss objective of intertoll trunks shall be consistent with the requirements of a nationwide switching plan.

(7) Noise, as set forth herein means noise expressed in db above reference level, with standard message weighting (db RN) at applicable circuit impedances. Reference level is defined as -90 dbm (minus 90 decibels referred to one milliwatt).

(8) The maximum noise objective for subscribers' lines shall be 30 db RN. Subscribers' lines with noise in excess of 40 db RN shall be considered as troubles requiring correction.

(9) The maximum noise objective for trunks, with both terminals located in Wisconsin, shall be as follows:

(a) Trunks of 50 miles or less in length, 32 db RN.

(b) Trunks between 50 and 100 miles in length, 36 db RN.

(c) Trunks exceeding 100 miles in length, 40 db RN. Trunks with noise that exceed these values by more than 10 db shall be considered as troubles, requiring correction.

**History:** Cr. Register, October, 1968, No. 154, eff. 11-1-68.

**PSC 165.088 Public and mobile telephone service.** (1) In each incorporated municipality served by the utility and where public conven-

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ence requires it the telephone utility shall supply at least one public pay station that will be available to the public on a 24-hour basis.

(2) A telephone utility providing mobile telephone service may furnish such service to a mobile unit in a vehicle only if the vehicle is principally garaged at an address located within the effective coverage area of the utility's base station and, if such address is located within the exchange area boundaries of another telephone utility, only with the written consent of that other telephone utility, or as approved by the commission. The foregoing provisions do not preclude a telephone utility from furnishing the mobile service customarily furnished by the utility to a roaming mobile unit which is a subscriber to another telephone utility's mobile service.

**History:** Cr. Register, October, 1968, No. 154, eff. 11-1-68.

**PSC 165.089 Interruptions of service.** (1) Each telephone utility shall make all reasonable efforts to prevent interruptions of service. When routine interruptions occur, the utility shall re-establish service as soon as possible consistent with the customer's needs. The minimum objective should be to clear 95% of all routine out-of-service troubles within 24 hours of the time such troubles are reported.

(2) When major interruptions occur, the utility shall proceed promptly to re-establish service within a reasonable period of time consistent with the physical conditions encountered and available work forces.

(3) Each telephone utility shall inform the commission as soon as possible, of any occurrence of an unusual nature which apparently will result in prolonged and serious interruption of service to a large number of customers. This supplements but does not preempt the requirements of Wis. Adm. Code chapter PSC 104. ✓

(4) Arrangements shall be made to receive customer trouble reports 24 hours daily and to clear trouble of an emergency nature at all hours, consistent with the bona fide needs of the customer and personal safety of utility personnel.

(5) Repair service shall be available daily, including Sunday, to all customers in the case of a service interruption to any main station telephone.

(6) Each telephone utility shall maintain an accurate record of trouble reports made by its customers. This record shall include appropriate identification of the customer or service affected, the time, date and nature of the report, the action taken to clear trouble or satisfy the complaint, the date and time of trouble clearance or other disposition and identification of the employe making final disposition. This record shall be available to the commission or its authorized representatives upon request at any time within the period prescribed for retention of such records.

(7) It shall be the objective to so maintain service that the average rate of all customer trouble reports in an exchange is no greater than 10 per 100 telephones per month.

**History:** Cr. Register, October, 1968, No. 154, eff. 11-1-68.

**PSC 165.09 Protective measures.** (1) Each utility shall exercise reasonable care to reduce the hazards to which its employes, its customers, and the general public may be subjected.

(2) The utility shall give reasonable assistance to the commission in the investigation of the cause of accidents and the determination of suitable means of preventing accidents.

(3) Each utility shall maintain a summary of all reportable accidents and interruptions arising from its operations as provided in chapter PSC 104.

**History:** Cr. Register, October, 1968, No. 154, eff. 11-1-68.

**PSC 165.091 Safety program.** Each utility shall adopt and execute a safety program, fitted to the size and type of its operations. As a minimum, the safety program should:

(1) Require employes to use suitable tools and equipment in order that they may perform their work in a safe manner.

(2) Instruct employes in safe methods of performing their work.

(3) Instruct employes who, in the course of their work are subject to the hazard of electrical shock, asphyxiation or drowning, in accepted methods of artificial respiration.

**History:** Cr. Register, October, 1968, No. 154, eff. 11-1-68.