

LEAD-ACID TYPE STORAGE BATTERIES
CONTINUOUS FLOAT OPERATION

1. GENERAL

- 1.001 This addendum describes the new Storage Battery Record, Form 7136. (See Exhibit A)
- 1.002 Effective January 1, 1969, Form 7136 will be the standard Storage Battery Record for Mountain States Telephone. It is intended to replace Bell System Forms E-2003, E-3592 and 3593.
- 1.003 Forms 7136 has been designed to allow all of the routine specific gravity and individual cell voltage readings on any lead-acid battery to be recorded on one sheet for an entire year. Space has also been provided on the front of the form to record periodic readings of the voltage drop across counter cells where applicable.
- 1.004 Space is provided on the back of the form to record information on battery water additions,

routine equalizing and boost charges and annual inspection data.

1.005 The Storage Battery Record must be retained at the battery location for the life of the related battery. At the end of the year, the completed Form 7136 must be sent to the District Plant Office for approval. (Signed in the lower right corner by the District Plant Superintendent or his authorized representative.) The approved form must be returned to the concerned exchange location as soon as possible. At the discretion of the State Plant Department they may request to receive a copy of the completed and approved Form 7136 for administrative use.

1.006 Form 7136 is available on order from Stationery Supply in the regular manner. It is made up in pads of 25 sheets and should be ordered as follows:

(Quantity) pads - Form 7136,
Storage Battery Record.

STORAGE BATTERY RECORD

BATTERY VOLTAGE

STRING NUMBER

WEEKLY										3 MONTHS										6 MONTHS																							
PILOT CELL VOLTAGE			EMERGENCY CELL SPECIFIC GRAVITY							INDIVIDUAL CELL VOLTAGE READINGS										INDIVIDUAL CELL SPECIFIC GRAVITY																							
			GROUP 1 PILOT				GROUP 2 PILOT													1ST 6 MONTHS					2ND 6 MONTHS																		
										BY										BY																							
WEEK	BY	VOLTS	HYDRO	TEMP. F.	CORR.	VOLTS	HYDRO	TEMP. F.	CORR.	VOLTS	DATE	JAN.	APR.	JULY	OCT.	DATE	JAN.	APR.	JULY	OCT.	DATE	JANUARY	TEMP. F.	CORR.	CELL #	HYDRO	TEMP. F.	CORR.	CELL #	HYDRO	TEMP. F.	CORR.	CELL #	HYDRO	TEMP. F.	CORR.							
1											1					34						1				34				1				34									
2											2					35						2				35				2				35									
3											3					36						3				36				3				36									
4											4					37						4				37				4				37									
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32											32					65						32				65				32				65									
33											33					66						33				66				33				66									
34 **											ECG1A					*** 6 MONTHS EMERGENCY CELL SPECIFIC GRAVITY																											
35											IB					DATE	JANUARY				DATE	JULY																					
36 *											IC					CELL #	HYDRO.	TEMP. F.	CORR.		CELL #	HYDRO.	TEMP. F.	CORR.																			
37											ID					ECG1A					ECG1A																						
38											ECG2A					1B					1B																						
39											B					1C					1C																						
40											C					1D					1D																						
41											D					ECG2A					ECG2A																						
42 *											* 6 WEEKS PILOT SP. GRAVITY					B					B																						
43											DATE	BY	HYDRO	TEMP. F.	CORR.	C					C																						
44																D					D																						
45																** 3 MONTHS COUNTER CELL VOLTAGE																											
46											DATE	JAN.	APR.	JULY	OCT.	DATE	JAN.	APR.	JULY	OCT.	DATE	JAN.	APR.	JULY	OCT.																		
47 **											CELL #	VOLTS	VOLTS	VOLTS	VOLTS	CELL #	VOLTS	VOLTS	VOLTS	VOLTS	CELL #	VOLTS	VOLTS	VOLTS	VOLTS																		
48 *																1					1																						
49																2					2																						
50																3					3																						
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52 ***																5					5																						

1. Retain original as permanent record for the life of the battery.
SEND 1 copy ANNUALLY to the district and state plant offices (State option)
2. Nominal individual cell voltage:
2.77 Volts for low gravity cells.
2.25 Volts for high gravity cells.
3. Nominal specific gravity corrected to 77°F:
1.210 for low gravity cells.
1.300 for high gravity cells.
4. Test intervals shown on this form are the maximum allowable.
5. Deviations in individual cell voltage or specific gravity beyond the limits specified in BSP 157-601-301 should be reported immediately to the local plant supervisor.
6. Record water additions, boost charge and battery inspection data in the proper place on the reverse side of this form.

ANNUAL POWER SURVEY AND OPERATIONAL TEST ON _____
BY _____
NOTE BSP 157-601-301 APPROVED _____

