

# RAIL EQUIPMENT ACCIDENT/INCIDENT

FORM FRA F 6180.54

## ACCIDENT DOWNLOADS ON DEMAND

### DATA FILE STRUCTURE AND FIELD INPUT SPECIFICATIONS

Effective: June 1, 2011

Reference: FRA Guide for Preparing Accident/Incident Reports,  
Effective July 1, 2011

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FIELD NAME	FIELD POSITION	FIELD TYPE	FIELD LENGTH	DEFINITION	BLOCK # ON FORM 6180.54	CONVERSION
amtrak	1	A/N	1	Amtrak involvement		
iyр	2 - 3	A/N	2	year of incident	5	
imo	4 - 5	A/N	2	month of incident	5	
railroad	6 - 9	A	4	railroad code (Reporting RR)	1a	
incdtno	10 - 19	A/N	10	railroad assigned number	1b	
iyр2	20 - 21	A/N	2	year of incident	5	
imo2	22 - 23	A/N	2	month of incident	5	
rr2	24 - 27	A	4	railroad code (Other RR involved)	2a	
incdtno2	28 - 37	A/N	10	other railroad assigned number	2b	
iyр3	38 - 39	A/N	2	year of incident	5	
imo3	40 - 41	A/N	2	month of incident	5	
rr3	42 - 45	A	4	railroad code (RR responsible for track maintenance)	3a	
incdtno3	46 - 55	A/N	10	railroad assigned number	3b	
dummy1	56 - 59	A/N	4	blank data expansion field		
gхid	60 - 66	A/N	7	grade crossing id number	4	
year	67 - 68	A/N	2	year of accident / incident	5	
month	69 - 70	A/N	2	month of incident	5	
day	71 - 72	A/N	2	day of incident	5	
timehr	73 - 74	N	2	hour of incident	6	
timemin	75 - 76	N	2	minute of incident	6	
ampm	77 - 78	A/N	2	am or pm	6	
type	79 - 80	A/N	2	<b>Type of accident:</b> 01=Derailment                      08=RR Grade Crossing 02=Head on collision              09=Obstruction 03=Rear end collision              10=Explosive-detonation 04=Side collision                    11=fire/violent rupture 05=Raking collision                12=Other impacts 06=Broken train collision        13=Other (described in 07=Hwy-rail crossing                narr)	7	
cars	81 - 83	N	3	# of cars carrying hazmat	8	
carsdmg	84 - 86	N	3	# of hazmat cars damaged or derailed	9	
carshzd	87 - 89	N	3	# of cars that released hazmat	10	
evacuate	90 - 95	N	6	# of persons evacuated	11	
division	96 - 115	A/N	20	railroad division	12	For accidents prior to June 1, 2011. For accidents occurring June 1, 2011, or later this field will be blank.



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rrcar2	207-210	A/N	4	Car initials (causing)	31a(2)	
cambr2	211-216	A/N	6	Car number (causing)	31a(2)	
positon2	217-219	A/N	3	Car position in train (causing)	31b(2)	
loaded2	220	A/N	1	<b>Car loaded or not (causing):</b> Y=Yes N=No Blank=Not applicable	31c(2)	
headend1	221	N	1	# of head end locomotives	34a(1)	
midman1	222	N	1	# of mid train locomotives, manual	34b(1)	
midrem1	223	N	1	# of mid train locomotives, remote	34c(1)	
rman1	224	N	1	# of rear end locomotives, manual	34d(1)	
rrem1	225	N	1	# of rear end locomotives, remote	34e(1)	
headend2	226	N	1	# of head end locomotives, derailed	34a(2)	
midman2	227	N	1	# of mid train locomotives, manual, derailed	34b(2)	
midrem2	228	N	1	# of mid train locomotives, remote, derailed	34c(2)	
rman2	229	N	1	# of rear end locomotives, manual, derailed	34d(2)	
rrem2	230	N	1	# of rear end locomotives, remote, derailed	34e(2)	
loadf1	231-233	N	3	# of loaded freight cars	35a(1)	
loadp1	234-236	N	3	# of loaded passenger cars	35b(1)	
emptyf1	237-239	N	3	# of empty freight cars	35c(1)	
emptyf1	240-242	N	3	# of empty passenger cars	35d(1)	
caboose1	243-245	N	3	# of cabooses	35e(1)	
loadf2	246-248	N	3	# of derailed loaded freight cars	35a(2)	
loadp2	249-251	N	3	# of derailed loaded passenger cars	35b(2)	
emptyf2	252-254	N	3	# of derailed empty freight cars	35c(2)	
emptyf2	255-257	N	3	# of derailed empty passenger cars	35d(2)	
caboose2	258-260	N	3	# of derailed cabooses	35e(2)	
eqpdmg	261-267	N	7	Reportable equipment damage in \$	36	
trkdmg	268-274	N	7	Track, signal, way & structure damage in \$	37	
cause	275-278	A/N	4	Primary cause of incident (refer to Appendix C)	38	
cause2	279-282	A/N	4	Contributing cause of incident (refer to Appendix C)	39	
caskldrr	283-285	N	3	# killed for reporting RR-calculated from Form F6180.55's submitted		
casinjrr	286-289	N	4	# injured for reporting RR-calculated from Form F6180.55a's submitted		
caskld	290-292	N	3	Total killed for all RR's involved-calculated from Form F6180.55a's submitted		
casinj	293-296	N	4	Total injured for all RR's involved-calculated from Form F6180-55a's submitted		
accuse	297-300	A/N	4	Accident cause code from jointcd 1 record for this incident (refer to Appendix C)		
acctrk	301	A/N	1	Type track code from jointcd 1 record for this incident		
acctrkcl	302	A/N	1	FRA track class from jointcd 1 record for this incident (FRA track class: 1-9,X)		



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passinj	404-406	N	3	# of passengers injured as reported on Form F6180.54	47	
otherkld	407-409	N	3	# of others killed as reported on Form F6180.54	48	
otherinj	410-412	N	3	# of others injured as reported on Form F6180.54	48	
county	413-432	A/N	20	County name (see FIPS codes for associated codes)	16	
cntycd	433-435	A/N	3	FIPS county code		
alcohol	436-437	A/N	2	# of positive alcohol tests	32	
drug	438-439	A/N	2	# of positive drug tests	32	
dummy7	440-451	A/N	12	Blank data expansion field		
passtrn	452	A/N	1	Were there passengers being transported: Y=Yes N=No Blank=Not applicable	33	
ssb1	453-472	A/N	20	Special study block 1  Type of Track an accident/incident occurred on CWR = Continuous welded rail track OTH = Other	49	For accidents occurring June 1, 2011, or later.
ssb2	473-492	A/N	20	Special study block 2	49	
narr1	493-592	A/N	100	Narrative	52	
narr2	593-692	A/N	100	Narrative	52	
narr3	693-792	A/N	100	Narrative	52	
narr4	793-892	A/N	100	Narrative	52	
narr5	893-992	A/N	100	Narrative	52	
narr6	993-1092	A/N	100	Narrative	52	
narr7	1093-1192	A/N	100	Narrative	52	
narr8	1193-1292	A/N	100	Narrative	52	
narr9	1293-1392	A/N	100	Narrative	52	
narr10	1393-1492	A/N	100	Narrative	52	
narr11	1493-1592	A/N	100	Narrative	52	
narr12	1593-1692	A/N	100	Narrative	52	
narr13	1693-1792	A/N	100	Narrative	52	
narr14	1793-1892	A/N	100	Narrative	52	
narr15	1893-1992	A/N	100	Narrative	52	
rcl	1993	A/N	1	<b>Remote control locomotive = 0,1,2, or 3</b>  0 = not a remotely controlled operation 1 = remote control portable transmitter 2 = remote control tower operation 3 = remote control portable transmitter (more than one remote control)	30a	
latitude	1994-2003	N	10	Latitude in decimal degrees, explicit decimal, explicit +/- (WGS84)	50	
longitud	2004-2014	N	11	Longitude in decimal degrees, explicit decimal, explicit +/- (WGS84)	51	
signal	2015	A/N	1	<b>Type of territory – signalization (mandatory)</b> 1 = signaled 2 = not signaled	30	New data for accidents

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						occurring June 1, 2011, or later.
mopera	2016	A/N	1	<b>Method of operation/Authority for movement (mandatory)</b> 1 = signal indication      2 = direct train control 3 = yard/restricted limits      4 = block register territory 5 = other than main track	30	New data for accidents occurring June 1, 2011, or later.
adjunct1	2017	A/N	1	<b>Supplemental/adjacent codes (mandatory) (*mandatory to the extent that all applicable codes are entered) See FRA Guide for Preparing Accident/Incident Reporting for codes</b>	30	New data for accidents occurring June 1, 2011, or later.
adjunct2	2018	A/N	1	<b>Supplemental/adjacent codes (mandatory) (*mandatory to the extent that all applicable codes are entered) See FRA Guide for Preparing Accident/Incident Reporting for codes</b>	30	New data for accidents occurring June 1, 2011, or later.
adjunct3	2019	A/N	1	<b>Supplemental/adjacent codes (mandatory) (*mandatory to the extent that all applicable codes are entered) See FRA Guide for Preparing Accident/Incident Reporting for codes</b>	30	New data for accidents occurring June 1, 2011, or later.
subdiv	2020 - 2039	A/N	20	Railroad subdivision	12	New data for accidents occurring June 1, 2011, or later.