AFCARS 2020

Technical Bulletin 21:
XML File Structure & Encryption

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Introduction

Background

The Department of Health and Human Services (HHS), Administration for Children and Families (ACF), Children's Bureau is responsible for the implementation and management of the Adoption and Foster Care Analysis and Reporting System (AFCARS). State and Tribal title IV-E agencies (collectively referred to as agencies) are required to report AFCARS case-level information on all children in foster care and children who have been adopted with title IV-E agency involvement (per §479 of the Social Security Act). The regulations were updated via the final rule published in May 2020 (85 FR 28410). Agencies have until October 1, 2022, to prepare their data systems to collect and report AFCARS 2020 data. The first submission of AFCARS 2020 is due May 15, 2023.

Two 6-month report periods exist based on the federal fiscal year: October 1 to March 31 (A submission) and April 1 to September 30 (B submission). The agency must submit the Out-of-Home Care and Adoption and Guardianship Assistance data files to the Children's Bureau within 45 days of the end of the report period (by May 15 and November 14). If the reporting deadline falls on a weekend, the agency has until the following Monday to submit the data file.

About the Technical Bulletin

This technical bulletin provides agencies with the information required to create the AFCARS data files.

In accordance with 45 CFR 1356.85(a)(2), agencies must submit AFCARS data files in a format that meets ACF specifications. This technical bulletin outlines these specifications, including the following requirements for the structure of the AFCARS data files:

- The Extensible Markup Language (XML) structure of the AFCARS data files to be used in the transmission of data to the AFCARS system; and
- Guidelines for assigning and encrypting record numbers of youth reported to AFCARS.

This technical bulletin does not cover the specifics of the data file submission process. The Children's Bureau is developing a new enterprise-wide engineering and architecture service to support agencies' AFCARS submissions. The National Child Welfare Data Management System (NCWDMS) is scheduled to be ready for the first AFCARS 2020 submission in May 2023. Additional resources on NCWDMS will be available as the new system is built and ready for use.

The original version of this technical bulletin was released on January 19, 2021. This revised version changes the Out-of-Home Care File schema slightly to remove the maximum number of entries for some of the elements. It changes the limit from "99" to "unbounded" for the number of removals and living arrangements, along with other elements. It also contains minor edits to Appendix C.

Data File Structure

Overview of XML

Extensible Markup Language (XML) uses tags (indicated by angle bracketed labels) to mark up, structure, and annotate data in a way that is both readable by computers and legible to users.

Extensible means that users can define and extend markup elements to meet their own requirements.

The Children's Bureau chose XML for use with the AFCARS data file because it offers distinct advantages as a file format.

- XML is stored in plain text, for maximum system compatibility.
- XML is widely used and is based on defined standards.
- Because of its extensibility, XML may be tailored to the requirements of AFCARS.
- XML is self-documenting, so the markup provides semantic information on the file contents.
- XML provides a flexible means of providing contextual structure to hierarchical and other complex data.
- XML is easily parsed, so the marked-up information may be read and extracted from the file without difficulty.

Requirements for the Structure of AFCARS XML Data Files

- A valid transmission will consist of two files: an Out-of-Home Care data file and an Adoption and Guardianship Assistance data file.
- The data files will be well-formed XML documents in accordance with defined World Wide Web Consortium (W3C) XML standards (see http://www.w3.org/TR/REC-xml).
- The overall structure of each XML data file is dictated by an associated W3C XML Schema (Appendix E and Appendix F).
- The XML structure of each must begin with a proper XML declaration specifying UTF-8 character encoding: <?xml version="1.0" encoding="utf-8"?>.
- Only the 128 characters defined by the ASCII encoding schema may be included in the data, except for the record number (element 4 – Child Record Number in the Out-of-Home Care data file and element A3 – Child Record Number in the Adoption and Guardianship Assistance data file).
- The record number must contain only printable UTF-8 characters and exclude the defined control characters (such as 0 to 31, and 127) and the unassigned characters (such as 129, 141, 143, 144, 157).
- All data within XML element tags must exclude the following characters with special syntactic meaning in XML:
    - the ampersand character (&),
    - the left-angle bracket character (<),
    - the right-angle bracket character (>),
    - the single quotation mark ('), and
    - the double quotation mark (").

XML Data Tags

The naming convention for XML tags is based on the AFCARS data elements, as defined in Technical Bulletin #20. The name of the XML tag for an AFCARS element consists of an initial "E" for an element in the Out-of-Home Care data file or "A" for an element in the Adoption and

Guardianship Assistance data file, plus the element number, followed by a descriptive name in lower-case, with underscores separating words, for example:

<E1_title_iv_agency> = Element 1: Title IV-E Agency (in the Out-of-Home Care data file)

<A1_title_iv_agency> = Element A1: Title IV-E Agency (in the Assistance data file)

A list of the XML tags for each AFCARS data element listed in Technical Bulletin#20 is provided in Appendix C and Appendix D.

AFCARS Data File Structural Hierarchy

XML provides a structural hierarchy to a data file by organizing the data into nested sets of tags to reflect one-to-many or other dependent relationships between elements. For example, one child may have multiple removal episodes recorded. **Figure 1** shows an overview of an AFCARS data file's structural hierarchy. The data for both AFCARS XML files is nested within the top-level XML tag, <acf:data>. Directly within this are two data elements pertaining to the entire file - the title IV-E agency and the reporting period. The remainder of the file consists of records for each individual child.

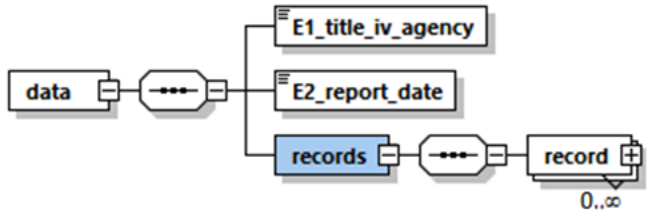


Figure 1. Structural Hierarchy for Out-of-Home Care File

Grouping of Elements

The XML schema for each file groups certain elements for two purposes:

1. To logically group a set of related elements; and
2. To nest an element, or series of elements, that can occur more than once, e.g., removal episodes or periodic reviews.

Both the Out-of-Home Care data file and Adoption and Guardianship Assistance data file consist of a top level (root) element, <acf:data>. AFCARS data elements containing data global to the whole file are included directly under <acf:data>, e.g., <E1_title_iv_agency>. Beneath <acf:data> each file includes a group element, <records>, which contains multiple <record> group elements: each child <record> corresponds to all the AFCARS data for an individual child. Appendix A and Appendix B show diagrams of the groupings.

The Out-of-Home Care data file contains several group elements. As a matter of convention, each group element name describes the range of AFCARS data elements it comprises.

Logical grouping example:

- <E7_E12_tribal_information>: contains a logical grouping of Indian Child Welfare Act (ICWA)-related AFCARS data elements 7-12, which is visually represented in Appendix A.
- <E24_34_specific_health_conditions>: contains a logical grouping of health-related AFCARS data elements 24-34; also visually represented in Appendix A.

Series element grouping example:

- <E112_E146_living_arrangement>: contains a series of element groupings of living arrangement-related data elements 112-146. The visual representation is shown in Appendix A.
- <E151_E152_case_worker_visit>: contains a series of element groupings of case worker visit-related data elements 151-152. The visual representation is shown in Appendix A.

Grouping of Removals

Two different grouping types exist for a removal episode. Agencies must report all AFCARS 2020 elements for a current removal episode. However, agencies report only three elements for any removal episode that started and ended before October 1, 2022 (the first day of the first AFCARS 2020 reporting period). The three elements are element 69 – Date of Removal, element 153 – Date of Exit, and element 155 – Exit Reason.

The Out-of-Home Care XML schema (Appendix E) provides a distinction between the prior removals and all others by defining two different removal grouping elements:

- <removal_1993>
- <removal_2020>

A <removal_1993> grouping element only contains elements 69, 153, and 155, while a <removal_2020> grouping contains all removal-related elements (elements 3, 69-105, and 112-186). An agency reports each removal episode for a child in one of the two removal groupings. The visual representation of this grouping is shown in Appendix A.

Encryption

Overview

To protect confidentiality of the child when the agency reports case-level data to the Children's Bureau, agencies are required to use an encrypted, unique number. This record number is reported in element 4 – Child Record Number in the Out-of-Home Care file and element A3 – Child Record Number in the Adoption and Guardianship Assistance file.

The child record number is a unique ID which remains the child's constant identifier from intake through the life of the child's interaction with the agency. The agency encrypts the identifier to transmit the data confidentially to the Children's Bureau. The encrypted ID must be a 12-character identifier that cannot be linked to the child except at the agency or local level. It is important that outside agencies, including the Children's Bureau, not be able to decrypt the encrypted record number submitted to AFCARS.

An agency is responsible for its own encryption routine using modern and accessible encryption tools and the information provided in this technical bulletin.

This approach is congruent with the requirements for submission to the National Youth in Transition Database (NYTD). For purposes of the Federal Child and Family Services Reviews (CFSR) and the title IV-E out-of-home care eligibility reviews, agencies must be able to identify the case file for a specific child record for at least three years. The Children's Bureau also uses the encrypted IDs across different submission periods to develop comprehensive data files that follow children through their experiences in care.

Encryption Guidelines

Agencies that already have an established AFCARS-conformant encryption method should continue using that methodology. If an agency finds a need to change its encryption method and this results in a change in the child's encrypted ID from one submission to the next, the agency will need to work with the Children's Bureau to assure there is a way to match the records from one submission period to the next. If an agency is new to submitting AFCARS, it is recommended that it adopt the use of encryption tools and methods that meet the needs of the agency and the Children's Bureau as specified in this technical bulletin.

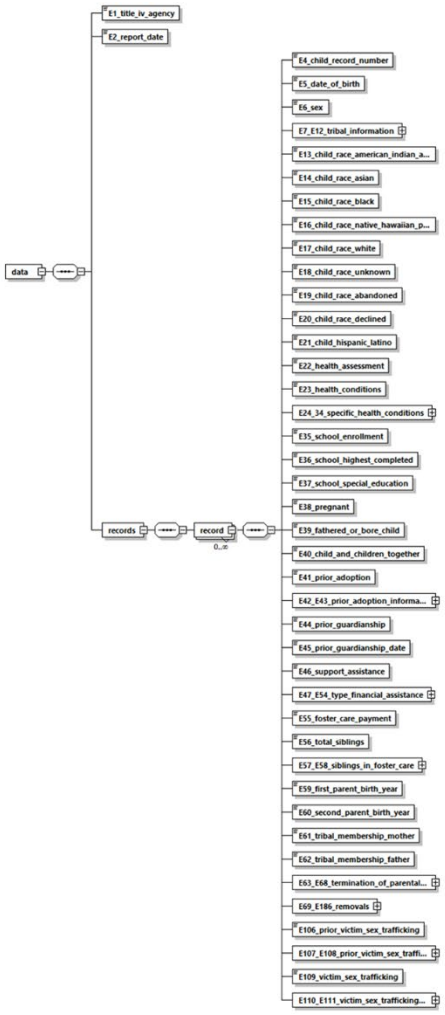
All methods must adhere to the following guidelines:

- All AFCARS records must have a unique encrypted record number.
- The encryption methods the agency uses must report the same result every time the procedure is executed. Thus, the child ID must always yield the same encrypted AFCARS record number after processing.
- The agency should be able to reverse the process and determine the original child ID for all AFCARS record numbers. The agency must maintain any algorithms, tables, and keys used to generate the unique, encrypted ID.
- The agency must keep the method of encryption secure. Only authorized personnel should have access to it.

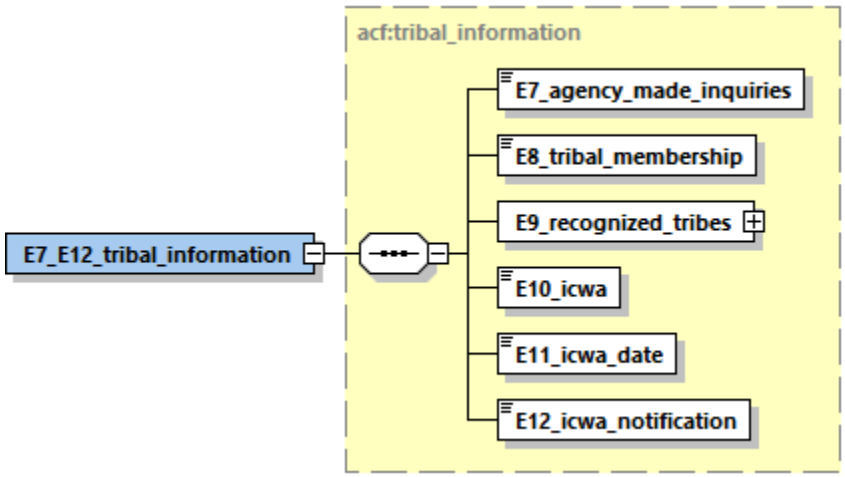
Appendix A – Group Element Diagrams for Out-of-Home Care Data File

The following diagrams illustrate the grouping of the elements for the AFCARS Out-of-Home Care file.

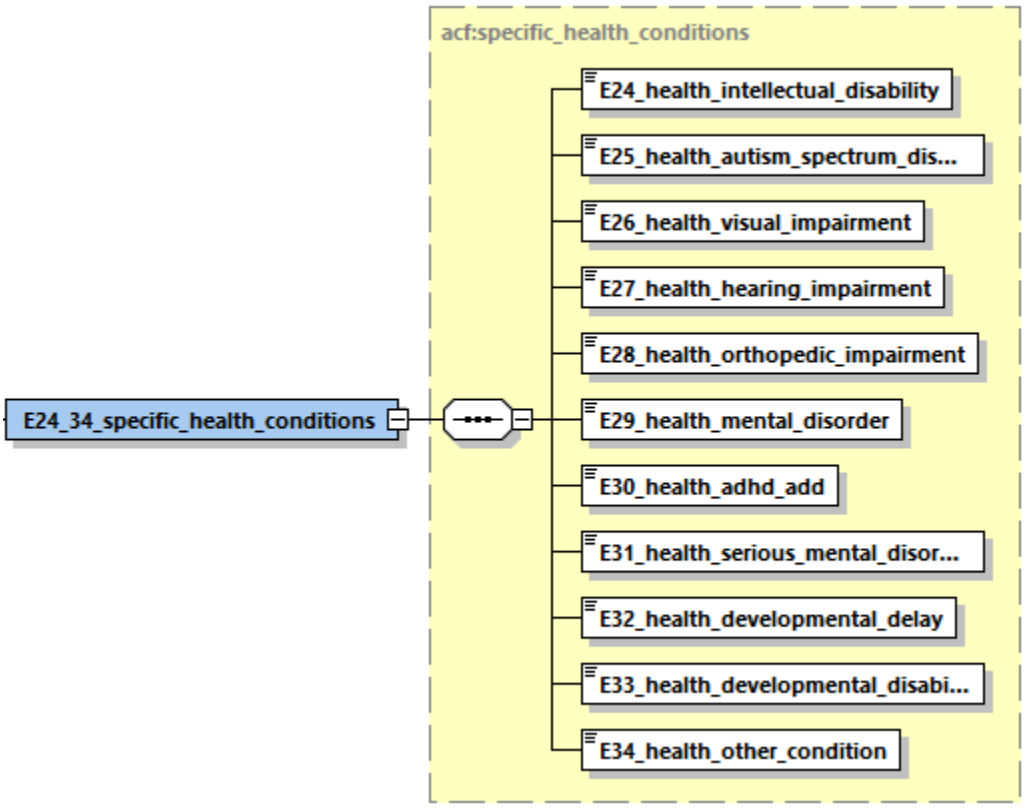
Record



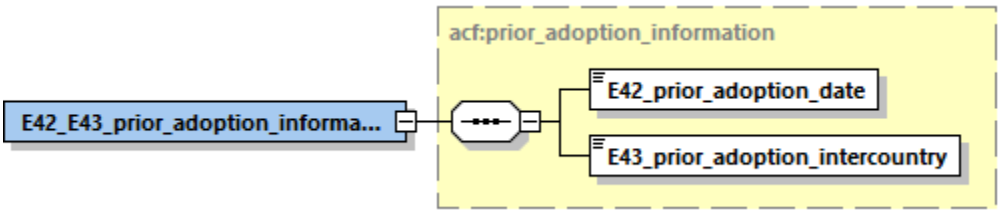
Tribal Information



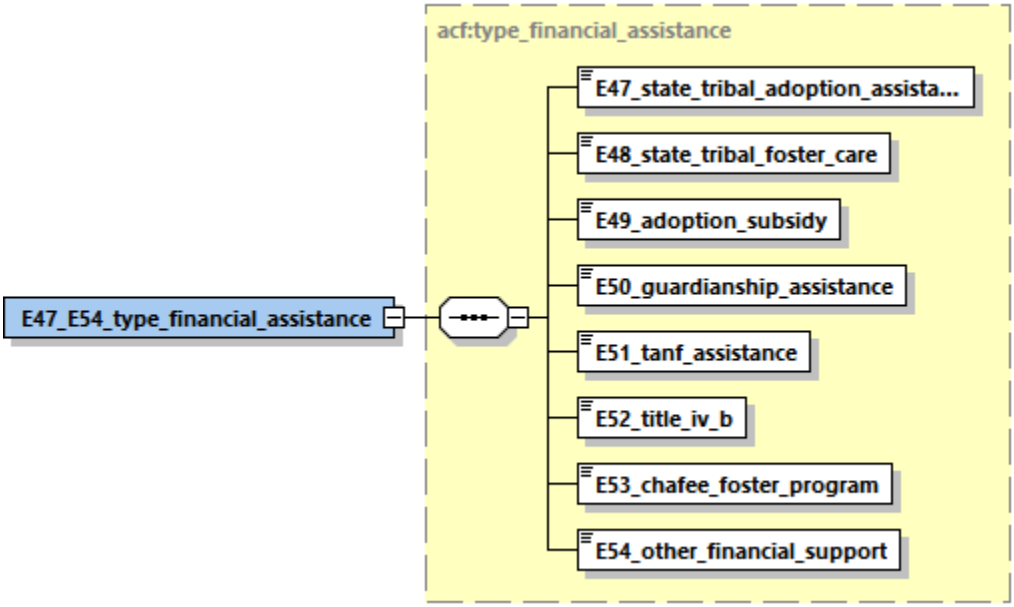
Specific Health Conditions



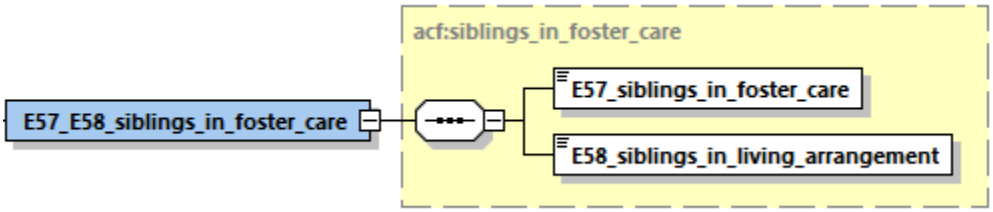
Prior Adoption Information



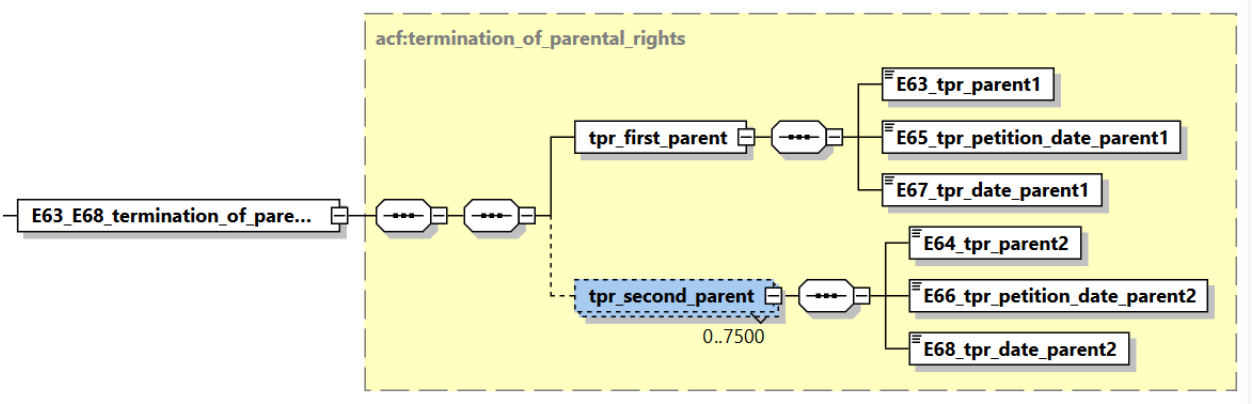
Type Financial Assistance



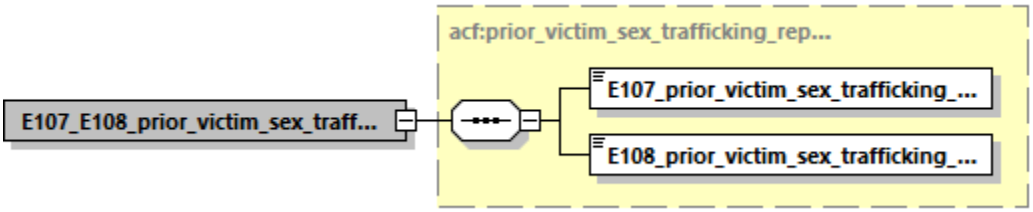
Siblings in Foster Care



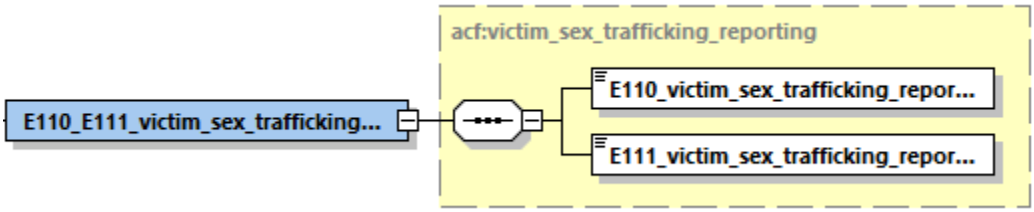
Termination of Parental Rights



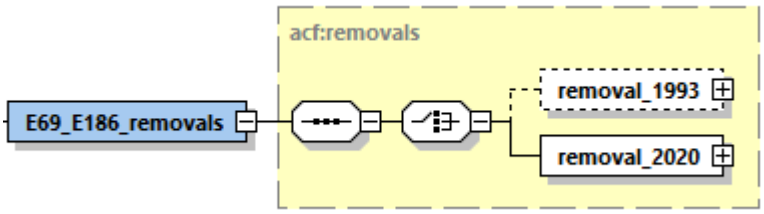
Prior Victim Sex Trafficking Reporting



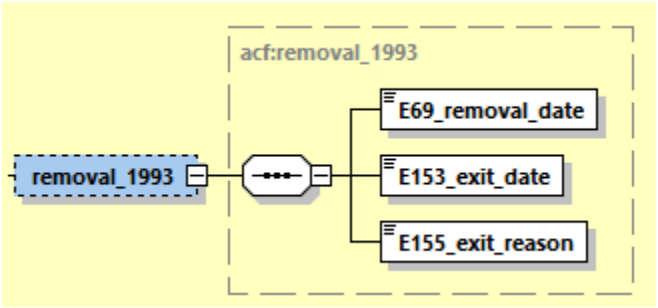
Victim Sex Trafficking Reporting



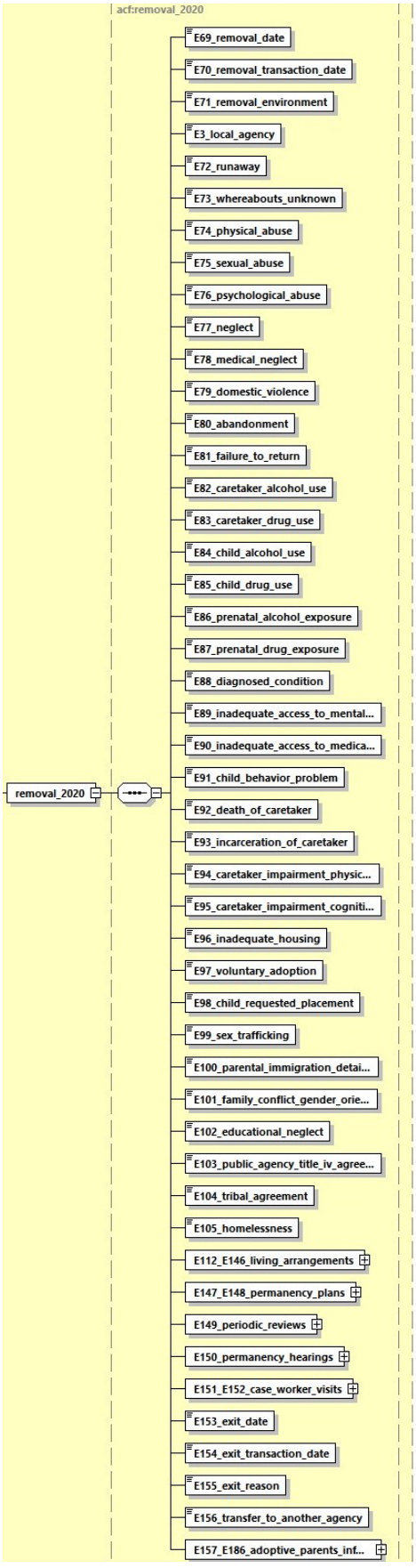
Removals



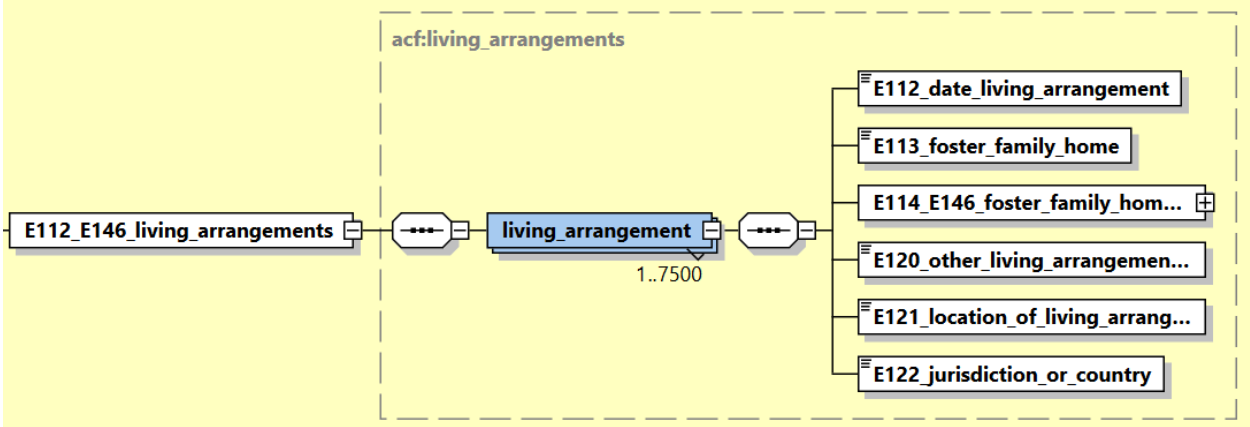
Removal 1993



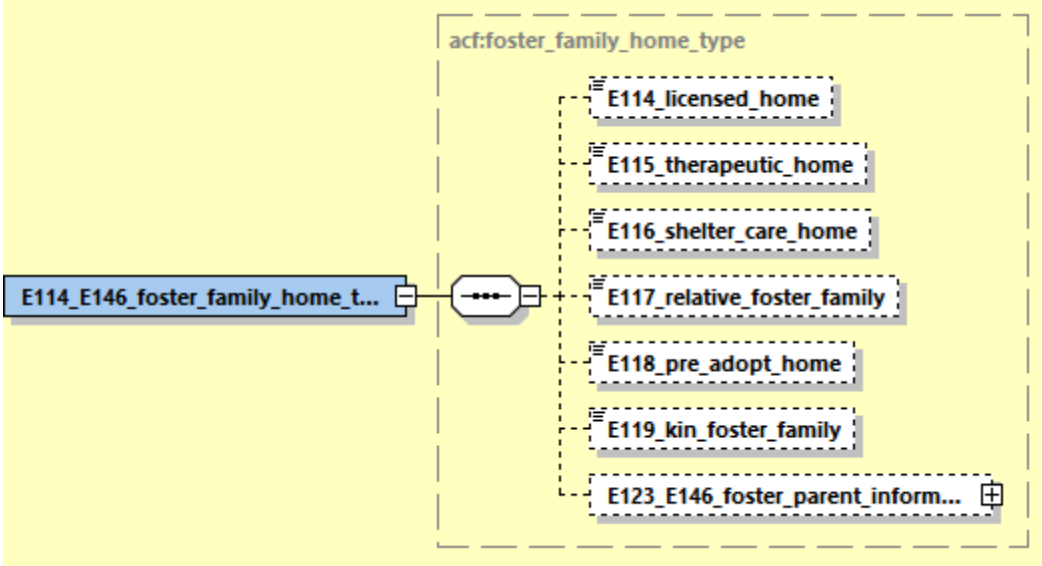
Removal 2020



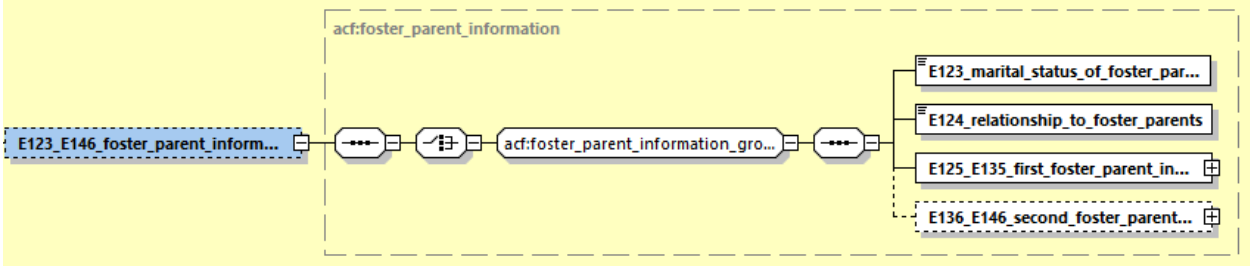
Living Arrangement



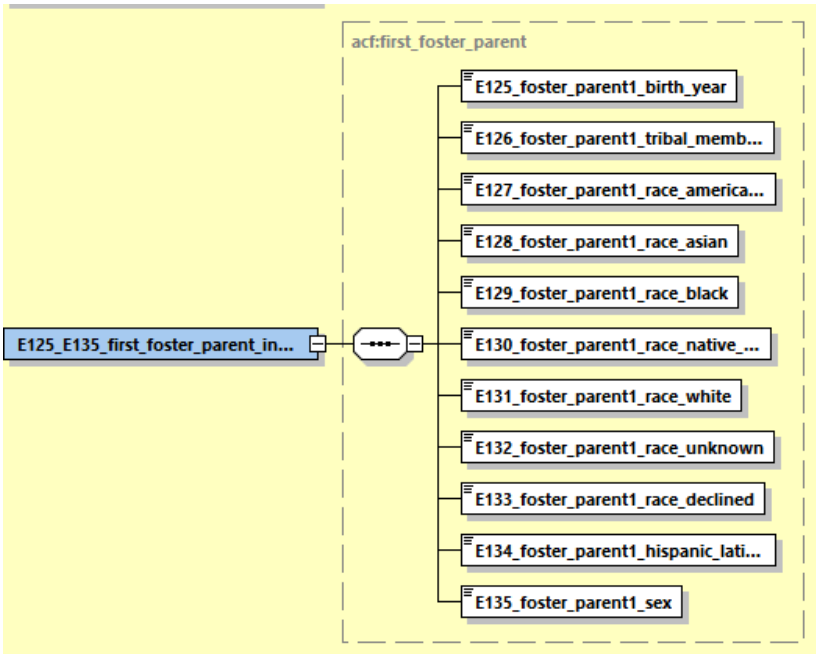
Foster Family Home Type



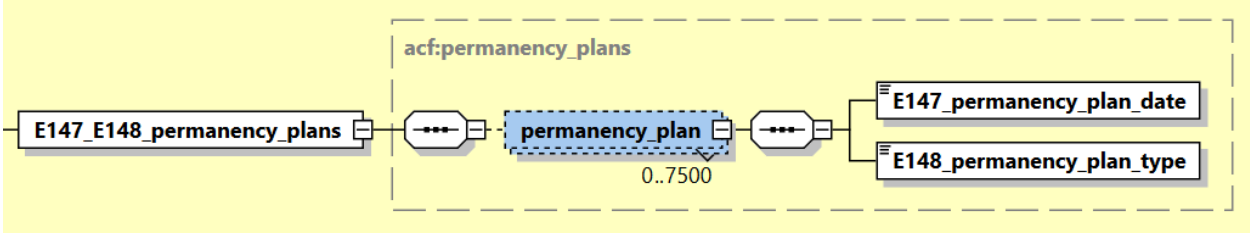
Foster Parent Information



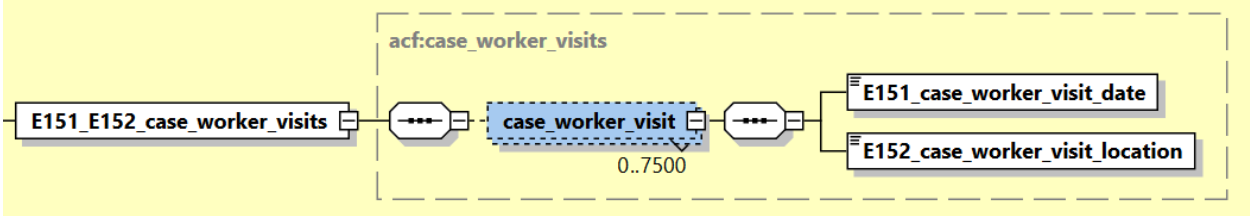
First Foster Parent Information (similar to second foster parent)



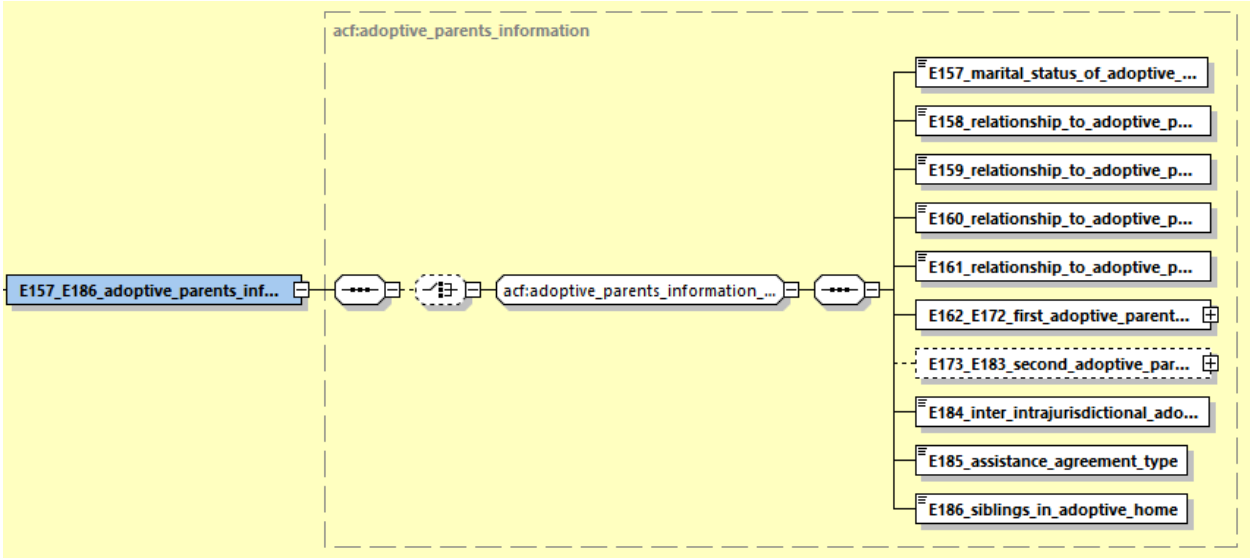
Permanency Plan



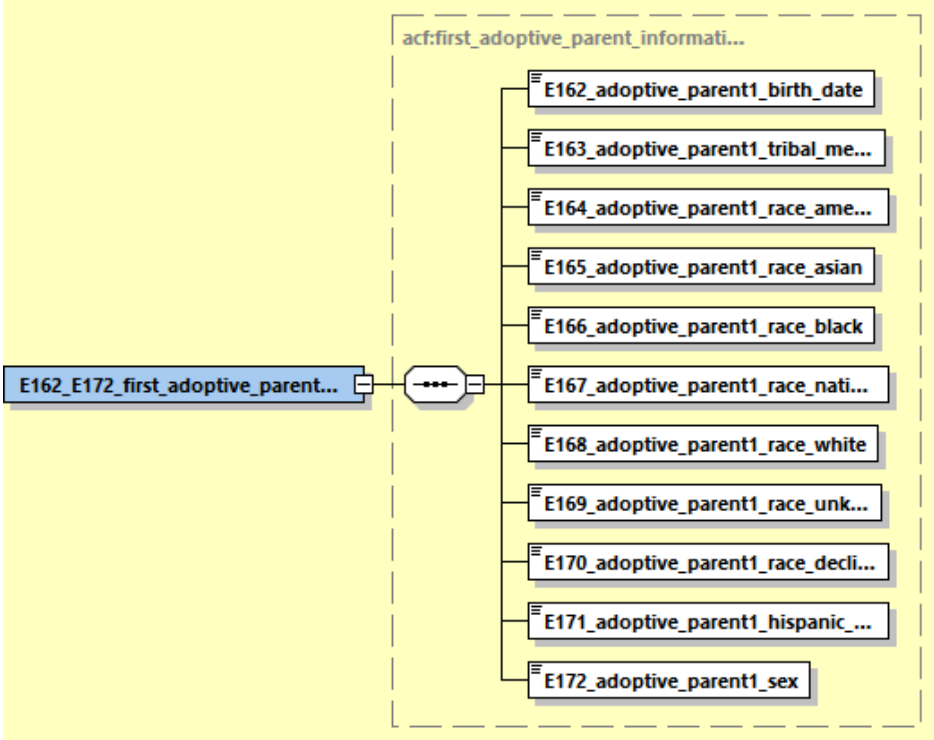
Case Worker Visit



Adoptive Parent(s) Information



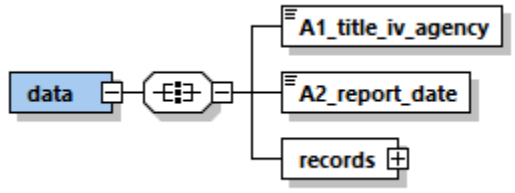
First Adoptive Parent Information (similar to second adoptive parent)



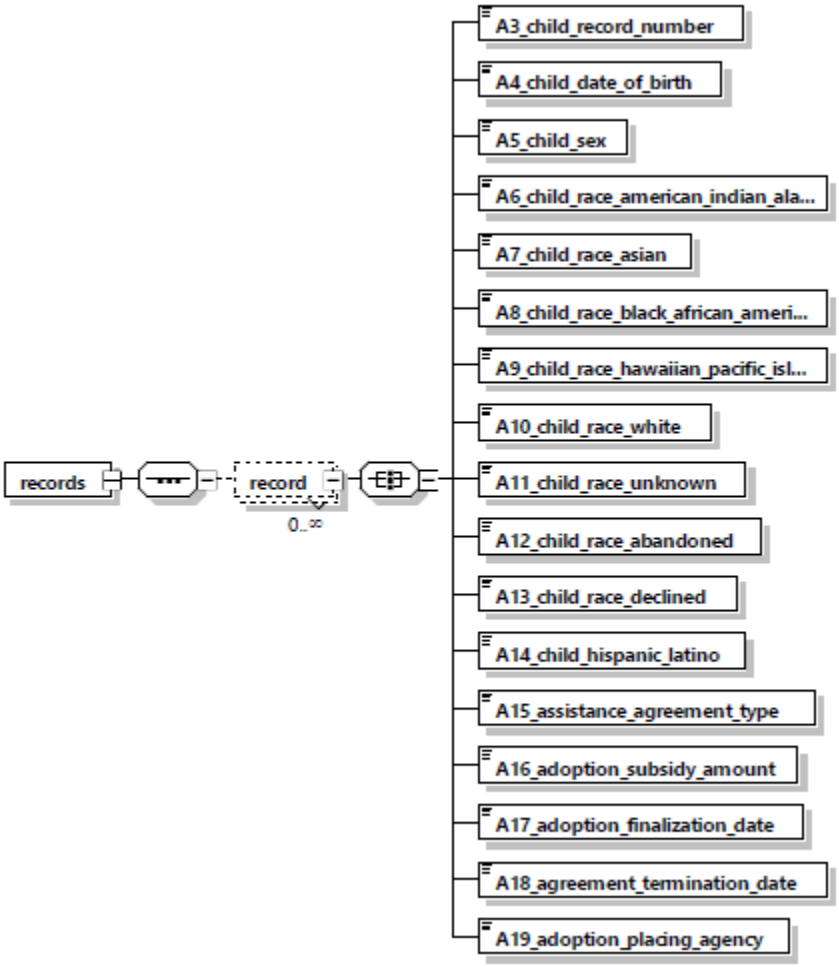
Appendix B – Group Element Diagrams for Adoption and Guardianship Assistance Data File

The following diagrams illustrate the data file structural hierarchy and group elements for the AFCARS Adoption and Guardianship Assistance file.

Data File Structural Hierarchy



Record



Appendix C – Data Elements and XML Tags for Out-of-Home Care Data File

Element No.	Element Name	XML Tag Name	Data Constraint
1	Title IV-E Agency	E1_title_iv_agency	State agencies: 2-digit state FIPS code Tribal agencies: 3-digit EPA Tribal standard code
2	Report Date	E2_report_date	YYYYMM
3	Local Agency	E3_local_agency	5-digit state and county FIPS code, or, if unknown, two-digit state code plus "999"
4	Child Record Number	E4_child_record_number	Encrypted (by ACF Standards), unique within title IV-E agency
5	Child's Date of Birth	E5_date_of_birth	YYYYMMDD
6	Child's Sex	E6_sex	1 = Male 2 = Female
7	Agency Made Inquiries	E7_agency_made_inquiries	0 = No 1 = Yes Null should only be used by tribal title IV-E agencies
8	Child's Tribal Membership	E8_tribal_membership	0 = No 1 = Yes 9 = Unknown Null should only be used by tribal agencies
9	Federally Recognized Tribe	E9_recognized_tribes	3-digit EPA Tribal standard code Null should be used if the state agency indicated "0" (no) or "9" (unknown) for element 8 Null should be used by tribal agencies
10	Application of ICWA	E10_icwa	0 = No 1 = Yes 9 = Unknown Null should only be used by tribal agencies
11	Date of Determination that ICWA Applies	E11_icwa_date	YYYYMMDD Null should be used if the state agency indicated "0" (no) or "9" (unknown) for element 10 Null should be used by tribal agencies

Element No.	Element Name	XML Tag Name	Data Constraint
12	Notification ICWA	E12_icwa_notification	0 = No 1 = Yes Null should be used if the state agency indicated “0” (no) or “9” (unknown) for element 10 Null should be used by Tribal agencies
13	Child’s Race: American Indian or Alaska Native	E13_child_race_american_indian_alaska_native	0 = No 1 = Yes
14	Child’s Race: Asian	E14_child_race_asian	0 = No 1 = Yes
15	Child’s Race: Black or African American	E15_child_race_black	0 = No 1 = Yes
16	Child’s Race: Native Hawaiian or Other Pacific Islander	E16_child_race_native_hawaiian_pacific_islander	0 = No 1 = Yes
17	Child’s Race: White	E17_child_race_white	0 = No 1 = Yes
18	Child’s Race: Unknown	E18_child_race_unknown	0 = No 1 = Yes
19	Child’s Race: Abandoned	E19_child_race_abandoned	0 = No 1 = Yes
20	Child’s Race: Declined	E20_child_race_declined	0 = No 1 = Yes
21	Child’s Hispanic or Latino Origin	E21_child_hispanic_latino	0 = No 1 = Yes 7 = Abandoned 8 = Declined 9 = Unknown
22	Health Assessment	E22_health_assessment	0 = No 1 = Yes

Element No.	Element Name	XML Tag Name	Data Constraint
23	Health Conditions	E23_health_conditions	0 = No exam or assessment conducted 1 = Child has a diagnosed condition 2 = Exam or assessment conducted and none of the conditions apply 3 = Exam or assessment conducted but results not received
24	Intellectual Disability	E24_health_intellectual_disability	0 = Does not apply 1 = Existing condition 2 = Previous condition Null should be used if the child does not have a previous or existing diagnosed condition
25	Autism Spectrum Disorder	E25_health_autism_spectrum_disorder	0 = Does not apply 1 = Existing condition 2 = Previous condition Null should be used if the child does not have a previous or existing diagnosed condition
26	Visual Impairment and Blindness	E26_health_visual_impairment	0 = Does not apply 1 = Existing condition 2 = Previous condition Null should be used if the child does not have a previous or existing diagnosed condition
27	Hearing Impairment and Deafness	E27_health_hearing_impairment	0 = Does not apply 1 = Existing condition 2 = Previous condition Null should be used if the child does not have a previous or existing diagnosed condition
28	Orthopedic Impairment or Other Physical Condition	E28_health_orthopedic_impairment	0 = Does not apply 1 = Existing condition 2 = Previous condition Null should be used if the child does not have a previous or existing diagnosed condition

Element No.	Element Name	XML Tag Name	Data Constraint
29	Mental/Emotional Disorders	E29_health_mental_disorder	0 = Does not apply 1 = Existing condition 2 = Previous condition Null should be used if the child does not have a previous or existing diagnosed condition
30	Attention Deficit Hyperactivity Disorder	E30_health_adhd_add	0 = Does not apply 1 = Existing condition 2 = Previous condition Null should be used if the child does not have a previous or existing diagnosed condition
31	Serious Mental Disorders	E31_health_serious_mental_disorder	0 = Does not apply 1 = Existing condition 2 = Previous condition Null should be used if the child does not have a previous or existing diagnosed condition
32	Developmental Delay	E32_health_developmental_delay	0 = Does not apply 1 = Existing condition 2 = Previous condition Null should be used if the child does not have a previous or existing diagnosed condition
33	Developmental Disability	E33_health_developmental_disability	0 = Does not apply 1 = Existing condition 2 = Previous condition Null should be used if the child does not have a previous or existing diagnosed condition
34	Other Diagnosed Condition	E34_health_other_condition	0 = Does not apply 1 = Existing condition 2 = Previous condition Null should be used if the child does not have a previous or existing diagnosed condition

Element No.	Element Name	XML Tag Name	Data Constraint
35	School Enrollment	E35_school_enrollment	0 = Not enrolled 1 = Not school age 2 = Elementary school 3 = Secondary school 4 = Postsecondary education or training 5 = College
36	Highest Educational Level Completed	E36_school_highest_completed	0 = Kindergarten 1 = First grade 2 = Second grade 3 = Third grade 4 = Fourth grade 5 = Fifth grade 6 = Sixth grade 7 = Seventh grade 8 = Eight grade 9 = Ninth grade 10 = 10th grade 11 = 11th grade 12 = 12th grade 13 = GED 14 = Post-secondary 15 = College 16 = Not school age Null should be used if the agency indicated “0”, not enrolled, for element 35 AND the child hasn’t completed any educational level
37	Special Education	E37_school_special_education	0 = No 1 = Yes
38	Pregnant	E38_pregnant	0 = No 1 = Yes Null = Male
39	Ever Fathered or Bore Children	E39_fathered_or_bore_child	0 = No 1 = Yes

Element No.	Element Name	XML Tag Name	Data Constraint
40	Child and His/Her Child(ren) Placed Together	E40_child_and_children_together	0 = No 1 = Yes 9 = Not applicable
41	Prior Adoption	E41_prior_adoption	0 = No 1 = Yes 7 = Abandoned
42	Prior Adoption Date	E42_prior_adoption_date	YYYYMM Null should be used if the agency indicated “0” (no) or “7” (abandoned) for element 41
43	Prior Adoption Type – Intercountry	E43_prior_adoption_intercountry	0 = No 1 = Yes Null should be used if the agency indicated “0” (no) or “7” (abandoned) for element 41
44	Prior Guardianship	E44_prior_guardianship	0 = No 1 = Yes 7 = Abandoned
45	Prior Guardianship Date	E45_prior_guardianship_date	YYYYMM Null should be used if the agency indicated “0” (no) or “7” (abandoned) for element 44
46	Support/Assistance Received	E46_support_assistance	0 = No support/assistance received 1 = Received support/financial assistance
47	State/Tribal Adoption Assistance	E47_state_tribal_adoption_assistance	0 = Does not apply 1 = Applies
48	State/Tribal Foster Care	E48_state_tribal_foster_care	0 = Does not apply 1 = Applies
49	Title IV-E Adoption Subsidy	E49_adoption_subsidy	0 = Does not apply 1 = Applies
50	Title IV-E Guardianship Assistance	E50_guardianship_assistance	0 = Does not apply 1 = Applies
51	Title IV-A TANF	E51_tanf_assistance	0 = Does not apply 1 = Applies

Element No.	Element Name	XML Tag Name	Data Constraint
52	Title IV-B	E52_title_iv_b	0 = Does not apply 1 = Applies
53	Chafee Foster Care Independence Program	E53_chafee_foster_program	0 = Does not apply 1 = Applies
54	Other Financial Support	E54_other_financial_support	0 = Does not apply 1 = Applies
55	Foster Care Maintenance Payment	E55_foster_care_payment	0 = No 1 = Yes
56	Total Number of Siblings	E56_total_siblings	0 = No siblings or unknown if the child has siblings 1 or greater (whole number) = Total number of siblings
57	Siblings in Foster Care	E57_siblings_in_foster_care	0 = The child does not have siblings in foster care 1 or greater = The number of siblings in foster care Null should be used if the agency indicated “0” (no siblings or unknown if the child has siblings) for element 56
58	Siblings in Living Arrangement	E58_siblings_in_living_arrangement	0 = The child has siblings, but they are not in the same living arrangement 1 or greater = The number of siblings in the same living arrangement Null should be used if the agency indicated “0” (no siblings or unknown if the child has siblings) for element 56 or “0” (the child does not have siblings in foster care) for element 57
59	Year of Birth of First Parent or Legal Guardian	E59_first_parent_birth_year	4 digits 7777 = Abandoned
60	Year of Birth of Second Parent or Legal Guardian	E60_second_parent_birth_year	4 digits 7777 = Abandoned 9999 = Not applicable; which is only a valid option for element 60
61	Tribal Membership Mother	E61_tribal_membership_mother	0 = No 1 = Yes 9 = Unknown Null should be used if there is no parent Null should be used by tribal agencies

Element No.	Element Name	XML Tag Name	Data Constraint
62	Tribal Membership Father	E62_tribal_membership_father	0 = No 1 = Yes 9 = Unknown Null should be used if there is no parent Null should be used by tribal agencies
63	Termination of Parental Rights for First Parent	E63_tpr_parent1	0 = Not applicable if there is no TPR 1 = Voluntary 2 = Involuntary
64	Termination of Parental Rights for Second Parent	E64_tpr_parent2	0 = Not applicable if there is no TPR 1 = Voluntary 2 = Involuntary Null should be used if there is no second parent
65	Date of Petition for Termination of Parental Rights for First Parent	E65_tpr_petition_date_parent1	YYYYMMDD 66666666 = Deceased Null = Not applicable
66	Date of Petition for Termination of Parental Rights for Second Parent	E66_tpr_petition_date_parent2	YYYYMMDD 66666666 = Deceased Null = Not applicable Null should be used if there is no second parent
67	Date of Termination of Parental Rights for First Parent	E67_tpr_date_parent1	YYYYMMDD Null = Not applicable
68	Date of Termination of Parental Rights for Second Parent	E68_tpr_date_parent2	YYYYMMDD Null = Not applicable Null should be used if there is no second parent
69	Date of Child's Removal	E69_removal_date	YYYYMMDD
70	Transaction Date: Removal	E70_removal_transaction_date	YYYYMMDD

Element No.	Element Name	XML Tag Name	Data Constraint
71	Environment at Removal	E71_removal_environment	1 = Parent household 2 = Relative household 3 = Legal guardian household 4 = Relative legal guardian household 5 = Justice facility 6 = Medical/mental health facility 7 = Other
72	Runaway	E72_runaway	0 = Does not apply 1 = Applies
73	Whereabouts Unknown	E73_whereabouts_unknown	0 = Does not apply 1 = Applies
74	Physical Abuse	E74_physical_abuse	0 = Does not apply 1 = Applies
75	Sexual Abuse	E75_sexual_abuse	0 = Does not apply 1 = Applies
76	Psychological or Emotional Abuse	E76_psychological_abuse	0 = Does not apply 1 = Applies
77	Neglect	E77_neglect	0 = Does not apply 1 = Applies
78	Medical Neglect	E78_medical_neglect	0 = Does not apply 1 = Applies
79	Domestic Violence	E79_domestic_violence	0 = Does not apply 1 = Applies
80	Abandonment	E80_abandonment	0 = Does not apply 1 = Applies
81	Failure to Return	E81_failure_to_return	0 = Does not apply 1 = Applies

Element No.	Element Name	XML Tag Name	Data Constraint
82	Caretaker's Alcohol Use	E82_caretaker_alcohol_use	0 = Does not apply 1 = Applies
83	Caretaker's Drug Use	E83_caretaker_drug_use	0 = Does not apply 1 = Applies
84	Child Alcohol Use	E84_child_alcohol_use	0 = Does not apply 1 = Applies
85	Child Drug Use	E85_child_drug_use	0 = Does not apply 1 = Applies
86	Prenatal Alcohol Exposure	E86_prenatal_alcohol_exposure	0 = Does not apply 1 = Applies
87	Prenatal Drug Exposure	E87_prenatal_drug_exposure	0 = Does not apply 1 = Applies
88	Diagnosed Condition	E88_diagnosed_condition	0 = Does not apply 1 = Applies
89	Inadequate Access to Mental Health Services	E89_inadequate_access_to_mental_health	0 = Does not apply 1 = Applies
90	Inadequate Access to Medical Services	E90_inadequate_access_to_medical_service	0 = Does not apply 1 = Applies
91	Child Behavior Problem	E91_child_behavior_problem	0 = Does not apply 1 = Applies
92	Death of Caretaker	E92_death_of_caretaker	0 = Does not apply 1 = Applies
93	Incarceration of Caretaker	E93_incarceration_of_caretaker	0 = Does not apply 1 = Applies
94	Caretaker's Significant Impairment – Physical/Emotional	E94_caretaker_impairment_physical_emotional	0 = Does not apply 1 = Applies

Element No.	Element Name	XML Tag Name	Data Constraint
95	Caretaker's Significant Impairment – Cognitive	E95_caretaker_impairment_cognitive	0 = Does not apply 1 = Applies
96	Inadequate Housing	E96_inadequate_housing	0 = Does not apply 1 = Applies
97	Voluntary Relinquishment for Adoption	E97_voluntary_adoption	0 = Does not apply 1 = Applies
98	Child Requested Placement	E98_child_requested_placement	0 = Does not apply 1 = Applies
99	Sex Trafficking	E99_sex_trafficking	0 = Does not apply 1 = Applies
100	Parental Immigration Detainment or Deportation	E100_parental_immigration_detainment_deportation	0 = Does not apply 1 = Applies
101	Family Conflict Related to Child's Sexual Orientation, Gender Identity, or Gender Expression	E101_family_conflict_gender_orientation	0 = Does not apply 1 = Applies
102	Educational Neglect	E102_educational_neglect	0 = Does not apply 1 = Applies
103	Public Agency Title IV-E Agreement	E103_public_agency_title_iv_agreement	0 = Does not apply 1 = Applies
104	Tribal Title IV-E Agreement	E104_tribal_agreement	0 = Does not apply 1 = Applies
105	Homelessness	E105_homelessness	0 = Does not apply 1 = Applies

Element No.	Element Name	XML Tag Name	Data Constraint
106	Prior Victim of Sex Trafficking	E106_prior_victim_sex_trafficking	0 = No 1 = Yes
107	Prior Report to Law Enforcement	E107_prior_victim_sex_trafficking_reported	0 = No 1 = Yes Null should be used if the agency indicated “0” (no) for element 106
108	Prior Date of Sex Trafficking Report to Law Enforcement	E108_prior_victim_sex_trafficking_reported_date	YYYYMMDD Null should be used if the agency indicated “0” (no) for element 107
109	Victim of Sex Trafficking While in Foster Care	E109_victim_sex_trafficking	0 = No 1 = Yes
110	Report to Law Enforcement for Current Victimization	E110_victim_sex_trafficking_reported	0 = No 1 = Yes Null should be used if the agency indicated “0” (no) for element 109
111	Date of Sex Trafficking Report to Law Enforcement	E111_victim_sex_trafficking_reported_date	YYYYMMDD Null should be used if the agency indicated null or “0” (no) for element 110
112	Date of Living Arrangement	E112_date_living_arrangement	YYYYMMDD
113	Foster Family Home	E113_foster_family_home	0 = No 1 = Yes
114	Licensed Home	E114_licensed_home	0 = Does not apply 1 = Applies Null should only be used if the agency indicated “0” (no) for element 113
115	Therapeutic Foster Family	E115_therapeutic_home	0 = Does not apply 1 = Applies Null should only be used if the agency indicated “0” (no) for element 113
116	Shelter Care Foster Family Home	E116_shelter_care_home	0 = Does not apply 1 = Applies Null should only be used if the agency indicated “0” (no) for element 113

Element No.	Element Name	XML Tag Name	Data Constraint
117	Relative Foster Family	E117_relative_foster_family	0 = Does not apply 1 = Applies Null should only be used if the agency indicated “0” (no) for element 113
118	Pre-Adoptive Home	E118_pre_adopt_home	0 = Does not apply 1 = Applies Null should only be used if the agency indicated “0” (no) for element 113
119	Kin Foster Family Home	E119_kin_foster_family	0 = Does not apply 1 = Applies Null should only be used if the agency indicated “0” (no) for element 113
120	Other Living Arrangement Type	E120_other_living_arrangement_type	1 = Group home–family operated 2 = Group home–staff operated 3 = Group home–shelter care 4 = Residential treatment center 5 = Qualified residential treatment program 6 = Child care institution 7 = Child care institution–shelter care 8 = Supervised independent living 9 = Juvenile justice facility 10 = Medical or rehabilitative facility 11 = Psychiatric hospital 12 = Runaway 13 = Whereabouts unknown 14 = Placed at home Null should only be used if the agency indicated “1” (yes) for element 113
121	Location of Living Arrangement	E121_location_of_living_arrangement	1 = In-state or in-Tribal service area 2 = Out-of-state or out-of-Tribal service area 3 = Out-of-country 4 = Runaway or whereabouts unknown
122	Jurisdiction or Country Where Child is Living	E122_jurisdiction_or_country	State: 2-digit state FIPS code Tribal: 3-digit EPA Tribal standard code Country: 3-digit ISO Alpha code Null should be used if the agency indicated “1” (in-state or in-Tribal service area) or “4” (runaway or whereabouts unknown) for element 121

Element No.	Element Name	XML Tag Name	Data Constraint
123	Marital Status of the Foster Parent	E123_marital_status_of_foster_parents	1 = Married couple 2 = Unmarried couple 3 = Separated 4 = Single adult Null should be used if the agency indicated "0" (no) for element 113
124	Child's Relationship to the Foster Parent	E124_relationship_to_foster_parents	1 = Relative 2 = Non-relative 3 = Kin Null should be used if the agency indicated "0" (no) for element 113
125	Year of Birth for First Foster Parent	E125_foster_parent1_birth_year	YYYY Null should be used if the agency indicated "0" (no) for element 113
126	Tribal Membership of First Foster Parent	E126_foster_parent1_tribal_membership	0 = No 1 = Yes 9 = Unknown Null should be used if the agency indicated "0" (no) for element 113
127	Race of First Foster Parent: American Indian or Alaska Native	E127_foster_parent1_race_american_indian_alaska_native	0 = No 1 = Yes Null should be used if the agency indicated "0" (no) for element 113
128	Race of First Foster Parent: Asian	E128_foster_parent1_race_asian	0 = No 1 = Yes Null should be used if the agency indicated "0" (no) for element 113
129	Race **of** First Foster Parent: Black or African American	E129_foster_parent1_race_black	0 = No 1 = Yes Null should be used if the agency indicated "0" (no) for element 113
130	Race of First Foster Parent: Native Hawaiian or Other Pacific Islander	E130_foster_parent1_race_native_hawaiian_pacific_islander	0 = No 1 = Yes Null should be used if the agency indicated "0" (no) for element 113

Element No.	Element Name	XML Tag Name	Data Constraint
131	Race of First Foster Parent: White	E131_foster_parent1_race_white	0 = No 1 = Yes Null should be used if the agency indicated "0" (no) for element 113
132	Race of First Foster Parent: Unknown	E132_foster_parent1_race_unknown	0 = No 1 = Yes Null should be used if the agency indicated "0" (no) for element 113
133	Race of First Foster Parent: Declined	E133_foster_parent1_race_declined	0 = No 1 = Yes Null should be used if the agency indicated "0" (no) for element 113
134	Hispanic or Latino Ethnicity of First Foster Parent	E134_foster_parent1_hispanic_latino	0 = No 1 = Yes 8 = Declined 9 = Unknown Null should be used if the agency indicated "0" (no) for element 113
135	Sex of First Foster Parent	E135_foster_parent1_sex	0 = No 1 = Yes 8 = Declined 9 = Unknown Null should be used if the agency indicated "0" (no) for element 113
136	Year of Birth for Second Foster Parent	E136_foster_parent2_birth_year	YYYY Null should be used when there is no second foster parent Null should be used if the agency indicated "0" (no) for element 113
137	Tribal Membership of Second Foster Parent	E137_foster_parent2_tribal_membership	0 = No 1 = Yes 9 = Unknown Null should be used when there is no second foster parent Null should be used if the agency indicated "0" (no) for element 113
138	Race of Second Foster Parent: American Indian or Alaska Native	E138_foster_parent2_race_american_indian_alaska_native	0 = No 1 = Yes Null should be used when there is no second foster parent Null should be used if the agency indicated "0" (no) for element 113

Element No.	Element Name	XML Tag Name	Data Constraint
139	Race of Second Foster Parent: Asian	E139_foster_parent2_race_asian	0 = No 1 = Yes Null should be used when there is no second foster parent Null should be used if the agency indicated “0” (no) for element 113
140	Race of Second Foster Parent: Black or African American	E140_foster_parent2_race_black	0 = No 1 = Yes Null should be used when there is no second foster parent Null should be used if the agency indicated “0” (no) for element 113
141	Race of Second Foster Parent: Native Hawaiian or Other Pacific Islander	E141_foster_parent2_race_native_hawaiian_pacific_islander	0 = No 1 = Yes Null should be used when there is no second foster parent Null should be used if the agency indicated “0” (no) for element 113
142	Race of Second Foster Parent: White	E142_foster_parent2_race_white	0 = No 1 = Yes Null should be used when there is no second foster parent Null should be used if the agency indicated “0” (no) for element 113
143	Race of Second Foster Parent: Unknown	E143_foster_parent2_race_unknown	0 = No 1 = Yes Null should be used when there is no second foster parent Null should be used if the agency indicated “0” (no) for element 113
144	Race of Second Foster Parent: Declined	E144_foster_parent2_race_declined	0 = No 1 = Yes Null should be used when there is no second foster parent Null should be used if the agency indicated “0” (no) for element 113
145	Hispanic or Latino Ethnicity of Second Foster Parent	E145_foster_parent2_hispanic_latino	0 = No 1 = Yes 8 = Declined 9 = Unknown Null should be used when there is no second foster parent Null should be used if the agency indicated “0” (no) for element 113

Element No.	Element Name	XML Tag Name	Data Constraint
146	Sex of Second Foster Parent	E146_foster_parent2_sex	1 = Male 2 = Female Null should be used when there is no second foster parent Null should be used if the agency indicated “0” (no) for element 113
147	Date of Permanency Plan	E147_permanency_plan_date	YYYYMMDD Null should be used if a permanency goal has not yet been established
148	Permanency Plan	E148_permanency_plan_type	1 = Reunify with parent(s) or legal guardian(s) 2 = Live with other relatives 3 = Adoption 4 = Guardianship 5 = Planned permanent living arrangement Null should be used if a permanency goal has not yet been established
149	Date of Periodic Review	E149_periodic_review_date	YYYYMMDD Null = Not applicable
150	Date of Permanency Hearing	E150_permanency_hearing_date	YYYYMMDD Null = Not applicable
151	Caseworker Visit Dates	E151_case_worker_visit_date	YYYYMMDD Null should be used if the caseworker has not visited
152	Caseworker Visit Location	E152_case_worker_visit_location	1 = Child’s residence 2 = Other location Null should be used if the caseworker has not visited
153	Date of Exit	E153_exit_date	YYYYMMDD Null should be used if the child has not exited foster care
154	Transaction Date: Exit	E154_exit_transaction_date	YYYYMMDD Null should be used if the child has not exited foster care

Element No.	Element Name	XML Tag Name	Data Constraint
155	Exit Reason	E155_exit_reason	1 = Reunify with parent or legal guardian 2 = Live with other relative 3 = Adoption 4 = Emancipation 5 = Guardianship 6 = Runaway or whereabouts unknown 7 = Death of child 8 = Transfer to another agency 9 = Not applicable
156	Transfer to Another Agency	E156_transfer_to_another_agency	1 = State title IV-E agency 2 = Tribal title IV-E agency 3 = Indian Tribe or Tribal agency (non-IV-E) 4 = Juvenile justice agency 5 = Mental health agency 6 = Other public agency 7 = Private agency Null should be used if the agency indicated any response option other than “8” (transfer to another agency) for element 155
157	Marital Status of the Adoptive Parent or Guardian	E157_marital_status_of_adoptive_parents	1 = Married couple 2 = Unmarried couple 3 = Separated 4 = Single adult 5 = Married but individually adopting or obtaining legal guardianship Null should be used if the agency indicated “1” (reunify with parent or legal guardian), “2” (live with other relative), “4” (emancipation), “6” (runaway or whereabouts unknown), “7” (death of child), “8” (transfer to another agency), or “9” (not applicable) for element 155
158	Relative	E158_relationship_to_adoptive_parents_relative	0 = Does not apply 1 = Applies Null should be used if the agency indicated “1” (reunify with parent or legal guardian), “2” (live with other relative), “4” (emancipation), “6” (runaway or whereabouts unknown), “7” (death of child), “8” (transfer to another agency), or “9” (not applicable) for element 155

Element No.	Element Name	XML Tag Name	Data Constraint
159	Kin	E159_relationship_to_adoptive_parents_kin	0 = Does not apply 1 = Applies Null should be used if the agency indicated "1" (reunify with parent or legal guardian), "2" (live with other relative), "4" (emancipation), "6" (runaway or whereabouts unknown), "7" (death of child), "8" (transfer to another agency), or "9" (not applicable) for element 155
160	Non-Relative	E160_relationship_to_adoptive_parents_non_relative	0 = Does not apply 1 = Applies Null should be used if the agency indicated "1" (reunify with parent or legal guardian), "2" (live with other relative), "4" (emancipation), "6" (runaway or whereabouts unknown), "7" (death of child), "8" (transfer to another agency), or "9" (not applicable) for element 155
161	Foster Parent	E161_relationship_to_adoptive_parents_foster_parent	0 = Does not apply 1 = Applies Null should be used if the agency indicated "1" (reunify with parent or legal guardian), "2" (live with other relative), "4" (emancipation), "6" (runaway or whereabouts unknown), "7" (death of child), "8" (transfer to another agency), or "9" (not applicable) for element 155
162	Date of Birth of First Adoptive Parent or Guardian	E162_adoptive_parent1_birth_date	YYYYMMDD Null should be used if the agency indicated "1" (reunify with parent or legal guardian), "2" (live with other relative), "4" (emancipation), "6" (runaway or whereabouts unknown), "7" (death of child), "8" (transfer to another agency), or "9" (not applicable) for element 155
163	Tribal Membership of First Adoptive Parent or Guardian	E163_adoptive_parent1_tribal_membership	0 = No 1 = Yes 9 = Unknown Null should be used if the agency indicated "1" (reunify with parent or legal guardian), "2" (live with other relative), "4" (emancipation), "6" (runaway or whereabouts unknown), "7" (death of child), "8" (transfer to another agency), or "9" (not applicable) for element 155
164	Race of First Adoptive Parent or Guardian: American Indian or Alaska Native	E164_adoptive_parent1_race_american_indian_alaska_native	0 = No 1 = Yes Null should be used if the agency indicated "1" (reunify with parent or legal guardian), "2" (live with other relative), "4" (emancipation), "6" (runaway or whereabouts unknown), "7" (death of child), "8" (transfer to another agency), or "9" (not applicable) for element 155

Element No.	Element Name	XML Tag Name	Data Constraint
165	Race of First Adoptive Parent or Guardian: Asian	E165_adoptive_parent1_race_asian	0 = No 1 = Yes Null should be used if the agency indicated “1” (reunify with parent or legal guardian), “2” (live with other relative), “4” (emancipation), “6” (runaway or whereabouts unknown), “7” (death of child), “8” (transfer to another agency), or “9” (not applicable) for element 155
166	Race of First Adoptive Parent or Guardian: Black or African American	E166_adoptive_parent1_race_black	0 = No 1 = Yes Null should be used if the agency indicated “1” (reunify with parent or legal guardian), “2” (live with other relative), “4” (emancipation), “6” (runaway or whereabouts unknown), “7” (death of child), “8” (transfer to another agency), or “9” (not applicable) for element 155
167	Race of First Adoptive Parent or Guardian: Native Hawaiian or Other Pacific Islander	E167_adoptive_parent1_race_native_hawaiian_pacific_islander	0 = No 1 = Yes Null should be used if the agency indicated “1” (reunify with parent or legal guardian), “2” (live with other relative), “4” (emancipation), “6” (runaway or whereabouts unknown), “7” (death of child), “8” (transfer to another agency), or “9” (not applicable) for element 155
168	Race of First Adoptive Parent or Guardian: White	E168_adoptive_parent1_race_white	0 = No 1 = Yes Null should be used if the agency indicated “1” (reunify with parent or legal guardian), “2” (live with other relative), “4” (emancipation), “6” (runaway or whereabouts unknown), “7” (death of child), “8” (transfer to another agency), or “9” (not applicable) for element 155
169	Race of First Adoptive Parent or Guardian: Unknown	E169_adoptive_parent1_race_unknown	0 = No 1 = Yes Null should be used if the agency indicated “1” (reunify with parent or legal guardian), “2” (live with other relative), “4” (emancipation), “6” (runaway or whereabouts unknown), “7” (death of child), “8” (transfer to another agency), or “9” (not applicable) for element 155
170	Race of First Adoptive Parent or Guardian: Declined	E170_adoptive_parent1_race_declined	0 = No 1 = Yes Null should be used if the agency indicated “1” (reunify with parent or legal guardian), “2” (live with other relative), “4” (emancipation), “6” (runaway or whereabouts unknown), “7” (death of child), “8” (transfer to another agency), or “9” (not applicable) for element 155

Element No.	Element Name	XML Tag Name	Data Constraint
171	Hispanic or Latino Ethnicity of First Adoptive Parent or Guardian	E171_adoptive_parent1_hispanic_latino	0 = No 1 = Yes 8 = Declined 9 = Unknown Null should be used if the agency indicated "1" (reunify with parent or legal guardian), "2" (live with other relative), "4" (emancipation), "6" (runaway or whereabouts unknown), "7" (death of child), "8" (transfer to another agency), or "9" (not applicable) for element 155
172	Sex of First Adoptive Parent or Guardian	E172_adoptive_parent1_sex	1 = Male 2 = Female Null should be used if the agency indicated "1" (reunify with parent or legal guardian), "2" (live with other relative), "4" (emancipation), "6" (runaway or whereabouts unknown), "7" (death of child), "8" (transfer to another agency), or "9" (not applicable) for element 155
173	Date of Birth of Second Adoptive Parent or Guardian	E173_adoptive_parent2_birth_date	YYYYMMDD Null should be used when there is no second adoptive parent, guardian, or other member of couple Null should be used if the agency indicated "1" (reunify with parent or legal guardian), "2" (live with other relative), "4" (emancipation), "6" (runaway or whereabouts unknown), "7" (death of child), "8" (transfer to another agency), or "9" (not applicable) for element 155
174	Tribal Membership of the Second Adoptive Parent or Guardian	E174_adoptive_parent2_tribal_membership	0 = No 1 = Yes 9 = Unknown Null should be used when there is no second adoptive parent, guardian, or other member of couple Null should be used if the agency indicated "1" (reunify with parent or legal guardian), "2" (live with other relative), "4" (emancipation), "6" (runaway or whereabouts unknown), "7" (death of child), "8" (transfer to another agency), or "9" (not applicable) for element 155
175	Race of Second Adoptive Parent or Guardian: American Indian or Alaska Native	E175_adoptive_parent2_race_american_indian_alaska_native	0 = No 1 = Yes Null should be used when there is no second adoptive parent, guardian, or other member of couple Null should be used if the agency indicated "1" (reunify with parent or legal guardian), "2" (live with other relative), "4" (emancipation), "6" (runaway or whereabouts unknown), "7" (death of child), "8" (transfer to another agency), or "9" (not applicable) for element 155

Element No.	Element Name	XML Tag Name	Data Constraint
176	Race of Second Adoptive Parent or Guardian: Asian	E176_adoptive_parent2_race_asian	0 = No 1 = Yes Null should be used when there is no second adoptive parent, guardian, or other member of couple Null should be used if the agency indicated "1" (reunify with parent or legal guardian), "2" (live with other relative), "4" (emancipation), "6" (runaway or whereabouts unknown), "7" (death of child), "8" (transfer to another agency), or "9" (not applicable) for element 155
177	Race of Second Adoptive Parent or Guardian: Black or African American	E177_adoptive_parent2_race_black	0 = No 1 = Yes Null should be used when there is no second adoptive parent, guardian, or other member of couple Null should be used if the agency indicated "1" (reunify with parent or legal guardian), "2" (live with other relative), "4" (emancipation), "6" (runaway or whereabouts unknown), "7" (death of child), "8" (transfer to another agency), or "9" (not applicable) for element 155
178	Race of Second Adoptive Parent or Guardian: Native Hawaiian or Other Pacific Islander	E178_adoptive_parent2_race_native_hawaiian_pacific_islander	0 = No 1 = Yes Null should be used when there is no second adoptive parent, guardian, or other member of couple Null should be used if the agency indicated "1" (reunify with parent or legal guardian), "2" (live with other relative), "4" (emancipation), "6" (runaway or whereabouts unknown), "7" (death of child), "8" (transfer to another agency), or "9" (not applicable) for element 155
179	Race of Second Adoptive Parent or Guardian: White	E179_adoptive_parent2_race_white	0 = No 1 = Yes Null should be used when there is no second adoptive parent, guardian, or other member of couple Null should be used if the agency indicated "1" (reunify with parent or legal guardian), "2" (live with other relative), "4" (emancipation), "6" (runaway or whereabouts unknown), "7" (death of child), "8" (transfer to another agency), or "9" (not applicable) for element 155
180	Race of Second Adoptive Parent or Guardian: Unknown	E180_adoptive_parent2_race_unknown	0 = No 1 = Yes Null should be used when there is no second adoptive parent, guardian, or other member of couple

Element No.	Element Name	XML Tag Name	Data Constraint
			Null should be used if the agency indicated "1" (reunify with parent or legal guardian), "2" (live with other relative), "4" (emancipation), "6" (runaway or whereabouts unknown), "7" (death of child), "8" (transfer to another agency), or "9" (not applicable) for element 155
181	Race of Second Adoptive Parent or Guardian: Declined	E181_adoptive_parent2_race_declined	0 = No 1 = Yes Null should be used when there is no second adoptive parent, guardian, or other member of couple Null should be used if the agency indicated "1" (reunify with parent or legal guardian), "2" (live with other relative), "4" (emancipation), "6" (runaway or whereabouts unknown), "7" (death of child), "8" (transfer to another agency), or "9" (not applicable) for element 155
182	Hispanic or Latino Ethnicity of Second Adoptive Parent or Guardian	E182_adoptive_parent2_hispanic_latino	0 = No 1 = Yes 8 = Declined 9 = Unknown Null should be used when there is no second adoptive parent, guardian, or other member of couple Null should be used if the agency indicated "1" (reunify with parent or legal guardian), "2" (live with other relative), "4" (emancipation), "6" (runaway or whereabouts unknown), "7" (death of child), "8" (transfer to another agency), or "9" (not applicable) for element 155
183	Sex of Second Adoptive Parent or Guardian	E183_adoptive_parent2_sex	1 = Male 2 = Female Null should be used when there is no second adoptive parent, guardian, or other member of couple Null should be used if the agency indicated "1" (reunify with parent or legal guardian), "2" (live with other relative), "4" (emancipation), "6" (runaway or whereabouts unknown), "7" (death of child), "8" (transfer to another agency), or "9" (not applicable) for element 155
184	Intra/Interjurisdictional Adoption or Guardianship	E184_inter_intrajurisdictional_adoption	1 = Intrajurisdictional (within state or tribal service area) 2 = Interjurisdictional (outside of state or tribal service area) 3 = Intercountry Null should be used if the agency indicated "1" (reunify with parent or legal guardian), "2" (live with other relative), "4" (emancipation), "6" (runaway or whereabouts unknown), "7" (death of child), "8" (transfer to another agency), or "9" (not applicable) for element 155

Element No.	Element Name	XML Tag Name	Data Constraint
185	Assistance Agreement Type	E185_assistance_agreement_type	0 = No agreement 1 = Title IV-E adoption assistance agreement 2 = State/tribal adoption assistance agreement 3 = Adoption-Title IV-E agreement non-recurring expenses only 4 = Adoption-Title IV-E agreement Medicaid only 5 = Title IV-E guardianship assistance agreement 6 = State/tribal guardianship assistance agreement Null should be used if the agency indicated "1" (reunify with parent or legal guardian), "2" (live with other relative), "4" (emancipation), "6" (runaway or whereabouts unknown), "7" (death of child), "8" (transfer to another agency), or "9" (not applicable) for element 155
186	Siblings in Adoptive or Guardianship Home	E186_siblings_in_adoptive_home	0 = child has sibling(s), but not in same home 1 or greater (whole number) = number of siblings in home 99 = no siblings/not applicable Null should be used if the agency indicated "1" (reunify with parent or legal guardian), "2" (live with other relative), "4" (emancipation), "6" (runaway or whereabouts unknown), "7" (death of child), "8" (transfer to another agency), or "9" (not applicable) for element 155

Appendix D – Data Elements and XML Tags for Adoption and Guardianship Assistance Data File

Element No.	Element Name	XML Tag Name	Data Constraint
1	Title IV-E Agency	A1_title_iv_agency	State agencies: 2-digit state FIPS code Tribal agencies: 3-digit EPA Tribal standard code
2	Report Date	A2_report_date	YYYYMM
3	Child Record Number	A3_child_record_number	Encrypted (by ACF Standards), Unique within title IV-E agency
4	Child's Date of Birth	A4_child_date_of_birth	YYYYMMDD
5	Child's Sex	A5_child_sex	1 = Male 2 = Female
6	Child's Race: American Indian or Alaska Native	A6_child_race_american_indian_alaska_native	0 = No 1 = Yes
7	Child's Race: Asian	A7_child_race_asian	0 = No 1 = Yes
8	Child's Race: Black or African American	A8_child_race_black_african_american	0 = No 1 = Yes
9	Child's Race: Native Hawaiian or Other Pacific Islander	A9_child_race_hawaiian_pacific_islander	0 = No 1 = Yes
10	Child's Race: White	A10_child_race_white	0 = No 1 = Yes
11	Child's Race: Unknown	A11_child_race_unknown	0 = No 1 = Yes
12	Child's Race: Abandoned	A12_child_race_abandoned	0 = No 1 = Yes

Element No.	Element Name	XML Tag Name	Data Constraint
13	Child's Race: Declined	A13_child_race_declined	0 = No 1 = Yes
14	Hispanic or Latino Origin	A14_child_hispanic_latino	0 = No 1 = Yes 7 = Abandoned 8 = Declined 9 = Unknown
15	Assistance Agreement Type	A15_assistance_agreement_type	1 = Adoption 2 = Guardianship
16	Adoption or Guardianship Subsidy Amount	A16_adoption_subsidy_amount	Dollar amount (round to the nearest dollar) 0 = No financial subsidy was paid
17	Adoption Finalization or Guardianship Legalization Date	A17_adoption_finalization_date	YYYYMMDD
18	Agreement Termination Date	A18_agreement_termination_date	YYYYMMDD or Null
19	Adoption or Guardianship Placing Agency	A19_adoption_placing_agency	1 = Title IV-E agency 2 = Private agency 3 = Tribe

Appendix E – First Page of the XML Schema Definition for Out-of-Home Care Data File

The full schema document can be downloaded from the AFCARS Technical Bulletin 21 webpage page at www.acf.hhs.gov/cb/data-research/afcars-technical-assistance.

```
<?xml version="1.0" encoding="utf-8"?>
<xs:schema xmlns:acf="http://www.acf.hhs.gov" targetNamespace="http://www.acf.hhs.gov" xmlns:xs="http://
www.w3.org/2001/XMLSchema" xmlns:vc="http://www.w3.org/2007/XMLSchema-versioning" vc:minVersion="1.1">
  <xs:element name="data">
    <xs:complexType>
      <xs:sequence>
        <xs:element name="E1_title_iv_agency" type="acf:twoOrThreeChars" />
        <xs:element name="E2_report_date" type="acf:dateYM" />
        <xs:element name="records">
          <xs:complexType>
            <xs:sequence>
              <xs:element name="record" minOccurs="0" maxOccurs="unbounded">
                <xs:complexType>
                  <xs:sequence>
                    <xs:element name="E4_child_record_number">
                      <xs:complexType>
                        <xs:simpleContent>
                          <xs:extension base="xs:string">
                            <xs:attribute name="previous_id" type="xs:string" use="optional"/>
                          </xs:extension>
                        </xs:simpleContent>
                      </xs:complexType>
                    </xs:element>
                    <xs:element name="E5_date_of_birth" type="acf:dateYMD" />
                    <xs:element name="E6_sex" type="acf:domainOneTwo" />
                    <xs:element name="E7_E12_tribal_information" type="acf:tribal_information" />
                    <xs:element name="E13_child_race_american_indian_alaska_native" type="acf:noYesNumeric" />
                    <xs:element name="E14_child_race_asian" type="acf:noYesNumeric" />
                    <xs:element name="E15_child_race_black" type="acf:noYesNumeric" />
                    <xs:element name="E16_child_race_native_hawaiian_pacific_islander" type="acf:noYesNumeric" />
                    <xs:element name="E17_child_race_white" type="acf:noYesNumeric" />
                    <xs:element name="E18_child_race_unknown" type="acf:noYesNumeric" />
                    <xs:element name="E19_child_race_abandoned" type="acf:noYesNumeric" />
                    <xs:element name="E20_child_race_declined" type="acf:noYesNumeric" />
                    <xs:element name="E21_child_hispanic_latino" type="acf:domainZeroOneSevenEightNine" />
                    <xs:element name="E22_health_assessment" type="acf:noYesNumeric" />
                    <xs:element name="E23_health_conditions" type="acf:domainZeroThruThree" />
                    <xs:element name="E24_34_specific_health_conditions" type="acf:specific_health_conditions" />
                    <xs:element name="E35_school_enrollment" type="acf:domainZeroThruFive" />
                    <xs:element name="E36_school_highest_completed" type="acf:domainZeroThruSixteenOrNull" />
                    <xs:element name="E37_school_special_education" type="acf:noYesNumeric" />
                    <xs:element name="E38_pregnant" type="acf:noYesNumericOrNull" />
                    <xs:element name="E39_fathered_or_bore_child" type="acf:noYesNumeric" />
                    <xs:element name="E40_child_and_children_together" type="acf:domainZeroOneNine" />
```

Appendix F – First Page of the XML Schema Definition for Adoption and Guardianship Assistance File

The full schema document can be downloaded from the AFCARS Technical Bulletin 21 webpage page at www.acf.hhs.gov/cb/data-research/afcars-technical-assistance.

```
<?xml version="1.0" encoding="utf-8"?>
<xs:schema xmlns:acf="http://www.acf.hhs.gov" targetNamespace="http://www.acf.hhs.gov" xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:element name="data">
    <xs:complexType>
      <xs:all>
        <xs:element name="A1_title_iv_agency" type="acf:twoOrThreeChars" />
        <xs:element name="A2_report_date" type="acf:dateYM" />
        <xs:element name="records">
          <xs:complexType>
            <xs:sequence>
              <xs:element name="record" minOccurs="0" maxOccurs="unbounded">
                <xs:complexType>
                  <xs:all>
                    <xs:element name="A3_child_record_number">
                      <xs:complexType>
                        <xs:simpleContent>
                          <xs:extension base="xs:string">
                            <xs:attribute name="previous_id" type="xs:string" use="optional"/>
                          </xs:extension>
                        </xs:simpleContent>
                      </xs:complexType>
                    </xs:element>
                    <xs:element name="A4_child_date_of_birth" type="acf:dateYMD" />
                    <xs:element name="A5_child_sex" type="acf:domainOneTwo" />
                    <xs:element name="A6_child_race_american_indian_alaska_native" type="acf:noYesNumeric
                    <xs:element name="A7_child_race_asian" type="acf:noYesNumeric" />
                    <xs:element name="A8_child_race_black_african_american" type="acf:noYesNumeric" />
                    <xs:element name="A9_child_race_hawaiian_pacific_islander" type="acf:noYesNumeric" />
                    <xs:element name="A10_child_race_white" type="acf:noYesNumeric" />
                    <xs:element name="A11_child_race_unknown" type="acf:noYesNumeric" />
                    <xs:element name="A12_child_race_abandoned" type="acf:noYesNumeric" />
                    <xs:element name="A13_child_race_declined" type="acf:noYesNumeric" />
                    <xs:element name="A14_child_hispanic_latino" type="acf:domainZeroOneSevenEightNine" /
                    <xs:element name="A15_assistance_agreement_type" type="acf:domainOneTwo" />
                    <xs:element name="A16_adoption_subsidy_amount" type="acf:sixDigits" />
                    <xs:element name="A17_adoption_finalization_date" type="acf:dateYMD" />
                    <xs:element name="A18_agreement_termination_date" type="acf:dateYMDOrNull" />
                    <xs:element name="A19_adoption_placing_agency" type="acf:domainOneThruThree" />
                  </xs:all>
                </xs:complexType>
              </xs:element>
            </xs:sequence>
          </xs:complexType>
```

Appendix G – Summary of Revisions to Technical Bulletin #21

Version	Sections Affected	Description
1.1	Grouping of Removals	Clarified that element 3 is reported for each removal episode and that elements 106-111 are reported once per child.
1.1	Appendix E – XSD file	Corrected the Out-of-Home Care schema to disallow a value of 0 for element 120.
2.0	Appendix E – XSD file	Modified Out-of-Home Care schema to allow Null for element 36.
2.1	Requirements for the Structure of AFCARS XML Data Files	Specified the requirement of UTF-8 encoding for XML files.
2.1	Appendices E & F – XSD files	Added test option in schemas to include "previous_id" attributes in child record numbers.
2.1	Appendices E & F – XSD files	Modified the schemas' minOccurs attributes on the <record> elements to allow zero.
2.1	Appendix E – XSD file	Modified schema to replace unbounded limit on "maxOccurs" attribute with a limit of 7500, except in <record> element.