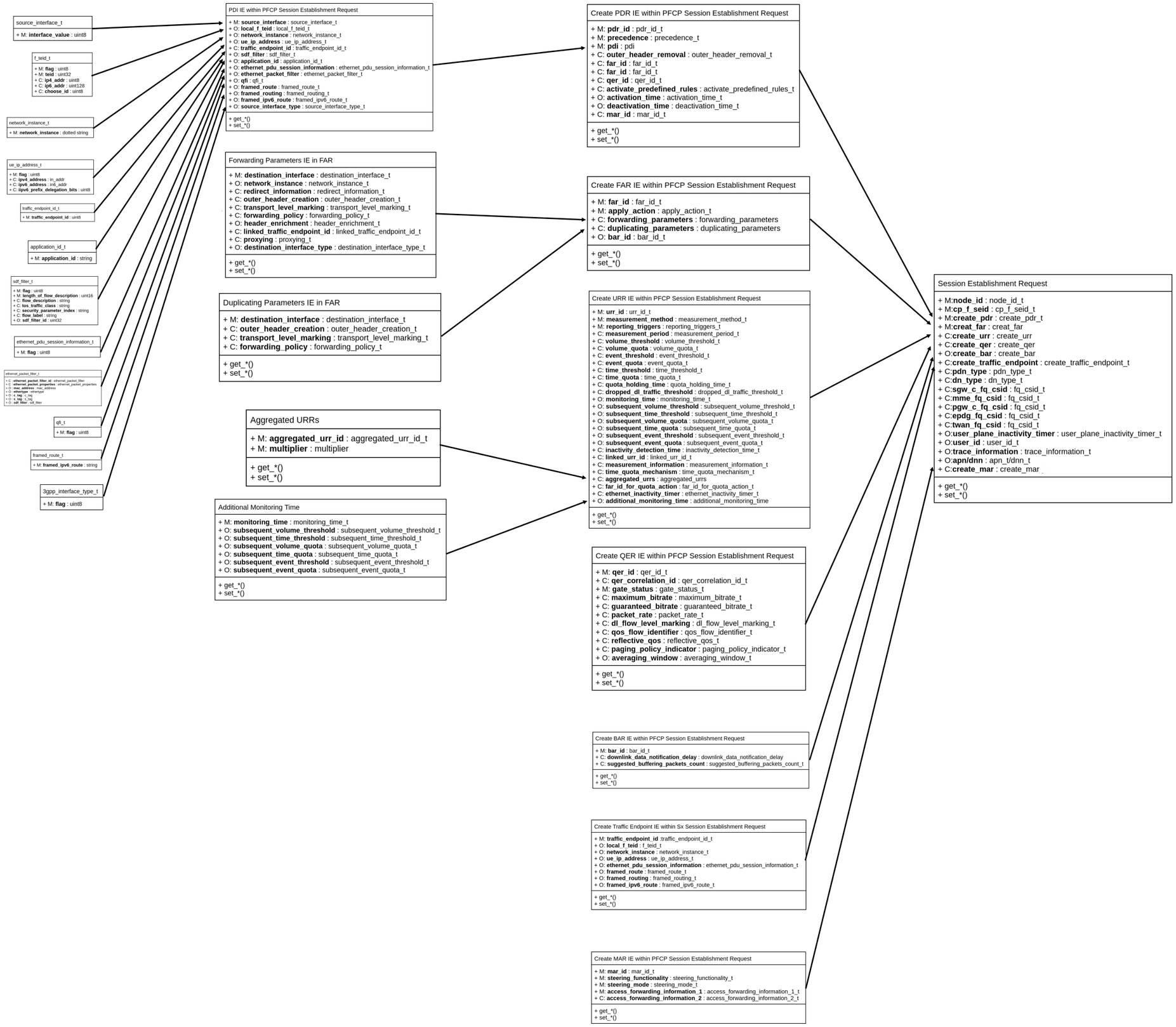
source_interface_t
+ M: interface_value : uint8
f_teid_t
+ M: flag : uint8
+ M: teid : uint32
+ C: ip4_addr : uint8
+ C: ip6_addr : uint128
+ C: choose_id : uint8
network_instance_t
+ M: network_instance : dotted string
ue_ip_address_t
+ M: flag : uint8
+ C: ipv4_address : in_addr
+ C: ipv6_address : in6_addr
+ C: ipv6_prefix_delegation_bits : uint8
traffic_endpoint_id_t
+ M: traffic_endpoint_id : uint8
application_id_t
+ M: application_id : string
sdf_filter_t
+ M: flag : uint8
+ M: length_of_flow_description : uint16
+ C: flow_description : string
+ C: tos_traffic_class : string
+ C: security_parameter_index : string
+ C: flow_label : string
+ O: sdf_filter_id : uint32
ethernet_pdu_session_information_t
+ M: flag : uint8
ethernet_packet_filter_t
+ C: ethernet_packet_filter_id : ethernet_packet_filter
+ C: ethernet_packet_properties : ethernet_packet_properties
+ O: mac_address : mac_address
+ O: ethertype : ethertype
+ O: c_tag : c_tag
+ O: s_tag : s_tag
+ O: sdf_filter : sdf_filter
qfi_t
+ M: flag : uint8
framed_route_t
+ M: framed_ipv6_route : string
3gpp_interface_type_t
+ M: flag : uint8
PDI IE within PFCP Session Establishment Request
+ M: source_interface : source_interface_t
+ O: local_f_teid : local_f_teid_t
+ O: network_instance : network_instance_t
+ C: ue_ip_address : ue_ip_address_t
+ C: traffic_endpoint_id : traffic_endpoint_id_t
+ O: sdf_filter : sdf_filter_t
+ O: application_id : application_id_t
+ O: ethernet_pdu_session_information : ethernet_pdu_session_information_t
+ O: ethernet_packet_filter : ethernet_packet_filter_t
+ O: qfi : qfi_t
+ O: framed_route : framed_route_t
+ O: framed_routing : framed_routing_t
+ O: framed_ipv6_route : framed_ipv6_route_t
+ O: source_interface_type : source_interface_type_t
+ get_*()
+ set_*()
Forwarding Parameters IE in FAR
+ M: destination_interface : destination_interface_t
+ O: network_instance : network_instance_t
+ C: redirect_information : redirect_information_t
+ C: outer_header_creation : outer_header_creation_t
+ C: transport_level_marking : transport_level_marking_t
+ C: forwarding_policy : forwarding_policy_t
+ O: header_enrichment : header_enrichment_t
+ C: linked_traffic_endpoint_id : linked_traffic_endpoint_id_t
+ C: proxying : proxying_t
+ O: destination_interface_type : destination_interface_type_t
+ get_*()
+ set_*()
Duplicating Parameters IE in FAR
+ M: destination_interface : destination_interface_t
+ C: outer_header_creation : outer_header_creation_t
+ C: transport_level_marking : transport_level_marking_t
+ C: forwarding_policy : forwarding_policy_t
+ get_*()
+ set_*()
Aggregated URRs
+ M: aggregated_urr_id : aggregated_urr_id_t
+ M: multiplier : multiplier
+ get_*()
+ set_*()
Additional Monitoring Time
+ M: monitoring_time : monitoring_time_t
+ O: subsequent_volume_threshold : subsequent_volume_threshold_t
+ O: subsequent_time_threshold : subsequent_time_threshold_t
+ O: subsequent_volume_quota : subsequent_volume_quota_t
+ O: subsequent_time_quota : subsequent_time_quota_t
+ O: subsequent_event_threshold : subsequent_event_threshold_t
+ O: subsequent_event_quota : subsequent_event_quota_t
+ get_*()
+ set_*()
Create PDR IE within PFCP Session Establishment Request
+ M: pdr_id : pdr_id_t
+ M: precedence : precedence_t
+ M: pdi : pdi
+ C: outer_header_removal : outer_header_removal_t
+ C: far_id : far_id_t
+ C: far_id : far_id_t
+ C: qer_id : qer_id_t
+ C: activate_predefined_rules : activate_predefined_rules_t
+ O: activation_time : activation_time_t
+ O: deactivation_time : deactivation_time_t
+ C: mar_id : mar_id_t
+ get_*()
+ set_*()
Create FAR IE within PFCP Session Establishment Request
+ M: far_id : far_id_t
+ M: apply_action : apply_action_t
+ C: forwarding_parameters : forwarding_parameters
+ C: duplicating_parameters : duplicating_parameters
+ O: bar_id : bar_id_t
+ get_*()
+ set_*()
Create URR IE within PFCP Session Establishment Request
+ M: urr_id : urr_id_t
+ M: measurement_method : measurement_method_t
+ M: reporting_triggers : reporting_triggers_t
+ C: measurement_period : measurement_period_t
+ C: volume_threshold : volume_threshold_t
+ C: volume_quota : volume_quota_t
+ C: event_threshold : event_threshold_t
+ C: event_quota : event_quota_t
+ C: time_threshold : time_threshold_t
+ C: time_quota : time_quota_t
+ C: quota_holding_time : quota_holding_time_t
+ C: dropped_dl_traffic_threshold : dropped_dl_traffic_threshold_t
+ O: monitoring_time : monitoring_time_t
+ O: subsequent_volume_threshold : subsequent_volume_threshold_t
+ O: subsequent_time_threshold : subsequent_time_threshold_t
+ O: subsequent_volume_quota : subsequent_volume_quota_t
+ O: subsequent_time_quota : subsequent_time_quota_t
+ O: subsequent_event_threshold : subsequent_event_threshold_t
+ O: subsequent_event_quota : subsequent_event_quota_t
+ C: inactivity_detection_time : inactivity_detection_time_t
+ C: linked_urr_id : linked_urr_id_t
+ C: measurement_information : measurement_information_t
+ C: time_quota_mechanism : time_quota_mechanism_t
+ C: aggregated_urrs : aggregated_urrs
+ C: far_id_for_quota_action : far_id_for_quota_action_t
+ C: ethernet_inactivity_timer : ethernet_inactivity_timer_t
+ O: additional_monitoring_time : additional_monitoring_time
+ get_*()
+ set_*()
Create QER IE within PFCP Session Establishment Request
+ M: qer_id : qer_id_t
+ C: qer_correlation_id : qer_correlation_id_t
+ M: gate_status : gate_status_t
+ C: maximum_bitrate : maximum_bitrate_t
+ C: guaranteed_bitrate : guaranteed_bitrate_t
+ C: packet_rate : packet_rate_t
+ C: dl_flow_level_marking : dl_flow_level_marking_t
+ C: qos_flow_identifier : qos_flow_identifier_t
+ C: reflective_qos : reflective_qos_t
+ C: paging_policy_indicator : paging_policy_indicator_t
+ O: averaging_window : averaging_window_t
+ get_*()
+ set_*()
Create BAR IE within PFCP Session Establishment Request
+ M: bar_id : bar_id_t
+ C: downlink_data_notification_delay : downlink_data_notification_delay
+ C: suggested_buffering_packets_count : suggested_buffering_packets_count_t
+ get_*()
+ set_*()
Create Traffic Endpoint IE within Sx Session Establishment Request
+ M: traffic_endpoint_id :traffic_endpoint_id_t
+ O: local_f_teid : f_teid_t
+ O: network_instance : network_instance_t
+ O: ue_ip_address : ue_ip_address_t
+ O: ethernet_pdu_session_information : ethernet_pdu_session_information_t
+ O: framed_route : framed_route_t
+ O: framed_routing : framed_routing_t
+ O: framed_ipv6_route : framed_ipv6_route_t
+ get_*()
+ set_*()
Create MAR IE within PFCP Session Establishment Request
+ M: mar_id : mar_id_t
+ M: steering_functionality : steering_functionality_t
+ M: steering_mode : steering_mode_t
+ M: access_forwarding_information_1 : access_forwarding_information_1_t
+ C: access_forwarding_information_2 : access_forwarding_information_2_t
+ get_*()
+ set_*()
Session Establishment Request
+ M:node_id : node_id_t
+ M:cp_f_seid : cp_f_seid_t
+ M:create_pdr : create_pdr_t
+ M:creat_far : creat_far
+ C:create_urr : create_urr
+ C:create_qer : create_qer
+ O:create_bar : create_bar
+ C:create_traffic_endpoint : create_traffic_endpoint_t
+ C:pdn_type : pdn_type_t
+ C:dn_type : dn_type_t
+ C:sgw_c_fq_csid : fq_csid_t
+ C:mme_fq_csid : fq_csid_t
+ C:pgw_c_fq_csid : fq_csid_t
+ C:epdg_fq_csid : fq_csid_t
+ C:twan_fq_csid : fq_csid_t
+ O:user_plane_inactivity_timer : user_plane_inactivity_timer_t
+ O:user_id : user_id_t
+ O:trace_information : trace_information_t
+ O:apn/dnn : apn_t/dnn_t
+ C:create_mar : create_mar
+ get_*()
+ set_*()