```
<[file][][]
   <[tm_airport_pd][][]
      ////////////////////////////////////////////////////////////////////
      //
      // general informations
      //
      ////////////////////////////////////////////////////////////////////

      <[string8]      [batch_code]     []>                    // (i) e.g. [ipacs_de], [ipacs_test_mh]
      <[stringt8c]    [icao]           []>                    // (i) [ABCD..]
      <[stringt8c]    [iata]           []>                    // (i) [GHI]
      <[string8]      [name]           []>
      <[string8]      [name_short]     []>
      <[stringt8c]    [country]        []>                    // (i) see list "TLDs"
      <[float64]      [elevation]      [0.0]>                 // (i) in metre; see aerodrome chart (mean altitude)
      <[uint32]       [tags]           [0]>                   // ???
      <[uint32]       [priority]       [0]>                   // ???
      <[uint16]       [connections]    [0]>                   // ???
      <[int8]         [time_zone]      [0]>                   // (=) [-1200]...[-100][0][100]...[1200]
      <[vector2_float64] [tower_position] [0.000000 0.000000]>  // (i) lonlat-system
      <[float64]      [tower_height]   [0.0]>                 // (i) in metre
      <[float64]      [tower_view_height] [0.0]>              // (i) in metre
      <[float64]      [tower_heading]  [000.0]>               // (i) in degrees ("-" = counterclockwise)
      <[vector2_float64] [model_center] [0.000000 0.000000]>  // (i) lonlat-system

      ////////////////////////////////////////////////////////////////////
      //
      // boundaries
      //
      ////////////////////////////////////////////////////////////////////

      <[list_tm_airport_pd_boundary][boundaries][]

         <[tm_airport_pd_boundary][element][0]                  // (i) aerofly-tool automatically sets the sequence and numbering
            <[list_vector2_float64][points][(0.000000 0.000000) ... () ]>  // (i) lonlat-system
         >

      >

      ////////////////////////////////////////////////////////////////////
      //
      // tarmacs
      //
      ////////////////////////////////////////////////////////////////////

      <[list_tm_airport_pd_tarmac][tarmacs][]
```

```
      <[tm_airport_pd_tarmac][element][0]                    //  (i) aerofly-tool automatically sets the sequence and numbering
         <[list_vector2_float64][points][(0.000000 0.000000) ... () ]>  //  (i) lonlat-system
         <[int32][level][1]>                                 //  (i) higher levels are above lower levels
         <[string8u][name][]>
         <[string8u][material][]>                            //  (i) see list "tarmacs_material"
         <[string8][brightness][]>                           //  (=) [0.1][0.2]...[1]
         <[string8u][base_color][]>                          //  ???
      >

   >

   ////////////////////////////////////////////////////////////////////////
   //
   // lines
   //
   ////////////////////////////////////////////////////////////////////////

   <[list_tm_airport_pd_line][lines][]

      <[tm_airport_pd_line][element][0]                      //  (i) aerofly-tool automatically sets the sequence and numbering
         <[list_vector2_float64][points][(0.000000 0.000000) ... () ]>  //  (i) lonlat-system
         <[string8u][name][]>                                //  (i) see list "line_name"
      >

   >

   ////////////////////////////////////////////////////////////////////////
   //
   // custom_models (ex objects)
   //
   ////////////////////////////////////////////////////////////////////////

   <[list_tm_airport_pd_custom_model][custom_models][]

      <[tm_airport_pd_custom_model][element][0]              //  (i) aerofly-tool automatically sets the sequence and numbering
         <[vector2_float64][position][0.000000 0.000000]>    //  (i) lonlat-system or web_mercator; see next line
         <[string8][coordinate_system][]>                    //  (=) [lonlat][web_mercator]
         <[string8][name][]>                                 //  (=) [..._obj]
         <[string8][type][object]>
      >

   >

   ////////////////////////////////////////////////////////////////////////
   //
   // objects animated
   //
   ////////////////////////////////////////////////////////////////////////
```

```
    ////////////////////////////////////////////////////////////////////////
    //
    // runway_pairs
    //
    ////////////////////////////////////////////////////////////////////////

    <[list_tm_airport_pd_rwy_pair][runway_pairs][]

       <[tm_airport_pd_rwy_pair][element][0]                                  // (i) aerofly-tool automatically sets the sequence and numbering
          <[array_tm_airport_pd_rwy][runway_pair][]
             <[tm_airport_pd_rwy][element][0]
                <[vector2_float64][threshold][0.000000 0.000000]>            // (i) lonlat-system
                <[float64][xtension][0]>                                     // (i) in metre; from tool or aerodrome chart
                <[string8][identifier][00]>                                  // (=) [01]...[36]
                <[string8][appltsys][]>                                      // (=) [none][mals.][std][alsf..][sals][odals][calvert..][rail]
                <[string8][reil][]>                                          // (=) [none][omni][uni]
                <[string8][papi][]>                                          // (=) [none][left][right]
                <[float64][direction][000.0]>                                // (i) aerofly-tool calculates the value ("-" = counterclockwise)
                <[float64][elevation][0.0]>                                  // (i) in  metre; see aerodrome chart
                <[bool][approach][]>                                         // (=) [true][false]
                <[bool][takeoff][]>                                          // (=) [true][false]
                <[bool][marking_piano][]>                                    // (=) [true][false]
                <[bool][marking_touchdown][]>                                // (=) [true][false]
                <[bool][marking_threshold][]>                                // (=) [true][false]
                <[bool][marking_aimingpoint][]>                              // (=) [true][false]
                <[bool][marking_nonumbers][]>                                // (=) [true][false]
                <[bool][marking_skidmark][]>                                 // (=) [true][false]
             >
             <[tm_airport_pd_rwy][element][1]
                <[vector2_float64][threshold][0.000000 0.000000]>            // (i) lonlat-system
                <[float64][xtension][0]>                                     // (i) in metre; from tool or aerodrome chart
                <[string8][identifier][]>                                    // (=) [01]...[36]
                <[string8][appltsys][]>                                      // (=) [none][mals.][std][alsf..][sals][odals][calvert..][rail]
                <[string8][reil][]>                                          // (=) [none][omni][uni]
                <[string8][papi][]>                                          // (=) [none][left][right]
                <[float64][direction][000.0]>                                // (i) aerofly-tool calculates the value ("-" = counterclockwise)
                <[float64][elevation][0.0]>                                  // (i) in  metre; see aerodrome chart
                <[bool][approach][]>                                         // (=) [true][false]
                <[bool][takeoff][]>                                          // (=) [true][false]
                <[bool][marking_piano][]>                                    // (=) [true][false]
                <[bool][marking_touchdown][]>                                // (=) [true][false]
                <[bool][marking_threshold][]>                                // (=) [true][false]
                <[bool][marking_aimingpoint][]>                              // (=) [true][false]
                <[bool][marking_nonumbers][]>                                // (=) [true][false]
                <[bool][marking_skidmark][]>                                 // (=) [true][false]
             >
          >
          <[float64][width][00]>                                             // (i) in metre; from tool or aerodrome chart
          <[string8][material][]>                                            // (i) see list "runway_material"
          <[string8][brightness][]>                                          // (=) [0.0]...[1.0]
```

```
            <[bool][marking_centreline][]>                  // (=)[true][false]
            <[bool][marking_sidelines][]>                   // (=)[true][false]
         >

      >

      ////////////////////////////////////////////////////////////////////
      //
      // parking_positions
      //
      ////////////////////////////////////////////////////////////////////

      <[list_tm_airport_pd_parking_position][parking_positions][]

         <[tm_airport_pd_parking_position][element][0]       // (i)aerofly-tool automatically sets the sequence and numbering
            <[vector2_float64][position][0.000000 0.000000]>    // (i)lonlat-system
            <[float64][direction][000.0]>                   // (i)in degrees ("-" = counterclockwise)
            <[float64][radius][00.0]>                       // (i)in metre; value only allows suitable aircrafts
            <[string8][name][]>
            <[float64][type][]>                             // (=)[parked_ga][parked_jet]
         >

      >

      ////////////////////////////////////////////////////////////////////
      //
      // helipads
      //
      ////////////////////////////////////////////////////////////////////

      <[list_tm_airport_pd_helipad][helipads][]

         <[tm_airport_pd_helipad][element][0]                // (i)aerofly-tool automatically sets the sequence and numbering
            <[vector2_float64][position][0.000000 0.000000]>    // (i)lonlat-system
            <[float64][direction][000.0]>                   // (i)in degrees ("-" = counterclockwise)
            <[float64][radius][00.0]>                       // (i)in metre; value only allows suitable aircrafts
            <[string8][name][]>
         >

      >

      ////////////////////////////////////////////////////////////////////
      //
      // xrefs
      //
      ////////////////////////////////////////////////////////////////////

      <[list_tm_airport_pd_xref][xrefs][]

         <[tm_airport_pd_xref][element][0]                   // (i)aerofly-tool automatically sets the sequence and numbering
```

```
                <[vector2_float64][position][position][0.000000 0.000000]>   // (i) lonlat-system
                <[float64][direction][000.0]>                                // (i) in degrees ("-" = counterclockwise)
                <[string8u][name][]>                                         // (i) see list "xref"
               >

              >

              ////////////////////////////////////////////////////////////////////////
              //
              // airport_lights
              //
              ////////////////////////////////////////////////////////////////////////

              <[list_tm_airport_pd_airportlight][airport_lights][]
              >

              ////////////////////////////////////////////////////////////////////////
              //
              // carlots
              //
              ////////////////////////////////////////////////////////////////////////

              <[list_tm_airport_pd_carlot][carlots][]
              >

              ////////////////////////////////////////////////////////////////////////
              //
              // cultivations
              //
              ////////////////////////////////////////////////////////////////////////

            >

          >
```