

## Format of the PedGo-Project-File, Version 5

### General Format:

- ASCII file
- Blocks:
  - ASCII: `<name>...</name>`
  - Hex: `(name)...(/name)`
- Entry: `name [string, int, float...]`
- File format written all in lower case
- File extension: \*.pg2

### File:

All entries marked with „\*“ are required

<pre> &lt;header&gt;   pmax [int]   xmax [int]   ymax [int]   zmax [int]   caption [string]   zoom [int]   comment [string]   version 5   origin [float] [float] &lt;/header&gt;                 </pre>	<p><b>Header*</b></p> <ul style="list-style-type: none"> <li>= number of agents*</li> <li>= length of floor plan*</li> <li>= width of floor plan*</li> <li>= amount of decks/floors*</li> <li>= name of project</li> <li>= zoom factor</li> <li>= comment</li> <li>= version number of file *</li> <li>= absolute coordinates of origin*</li> </ul>
<pre> &lt;tables&gt;   (colorcoding)   [Hex]...   (/colorcoding) &lt;/tables&gt;                 </pre>	<p><b>tables for further data</b> (for the editor) *</p> <p>list of relevant colours and characteristics (16x16) *</p>
<pre> &lt;demographics&gt;   groupmax [int]   &lt;group&gt;     id [int]     filename [string]      caption [string]     vmax [int] [int] [int] [int] [int]     patnc [int] [int] [int] [int] [int]     tempe [int] [int] [int] [int] [int]      react [int] [int] [int] [int] [int]     dawdl [int] [int] [int] [int] [int]     inert [int] [int] [int] [int] [int]     clust [i]   &lt;/group&gt;   &lt;group&gt;     ...   &lt;/group&gt; &lt;/demographics&gt;                 </pre>	<p><b>definition of groups and their characteristics*</b></p> <ul style="list-style-type: none"> <li>= amount of groups</li> <li>per group a block</li> <li>= identification number</li> <li>= file name, or „IMO night pax“, „IMO night crew“, „IMO day...“</li> <li>= name of group</li> <li>= speed: min, max, mean, stddev, type of distribution</li> <li>= patience: min, max, mean, stddev, type of distribution</li> <li>= temperature: min, max, mean, stddev, type of distribution</li> <li>= reaction: min, max, mean, stddev, type of distribution</li> <li>= dawdle: min, max, mean, stddev, type of distribution</li> <li>= inertia: min, max, mean, stddev, type of distribution</li> <li>= clustering effect: 0=nein, 1=loose, 2=medium, 3=tight</li> </ul> <p>further groups</p>
<pre> &lt;deck&gt;   caption [string]   level [int]   shown [string]   (cellldata)   010101020101...   010000000001...   ...   (/cellldata)                 </pre>	<p><b>decks/floors*</b></p> <ul style="list-style-type: none"> <li>= name of floor (name of tab sheets in editor)</li> <li>= position of deck (begins with 0 an)</li> <li>= deck shown or not: true/false</li> <li>cell information: each cell is represented by a number, in between spaces. Rows represent y-coordinate, columns x-coordinates.</li> </ul> <p>information: 00 = free</p>

\*: AENEAS is the maritime version of PedGo. It is distributed in co-operation with Germanischer Lloyd AG.

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Content may be subject to changes.

<pre> &lt;/deck&gt; &lt;deck&gt; ... &lt;/deck&gt; </pre>	<p>01 = wall  20 = door  10 = stair  04 = up (below end of stair)  08 = down (upper end of stair)</p> <p>next deck</p>
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<pre> &lt;persons&gt; &lt;group&gt;   route [int]   &lt;groupdata&gt;     data [int] [int] [int] [int] [int]     rect [int] [int] [int] [int] [int] [int] [int]    &lt;/groupdata&gt; &lt;/group&gt; &lt;group&gt; ... &lt;/group&gt; ... &lt;/persons&gt; </pre>	<p><b>person data</b> (distribution, destination,...)*  certain group that follows a route  = number of a assigned route  group data in room:  = amount, x, y, z, group  alternatively in rectangular:  = amount, xla, yla, xrd, yrd, z, group</p> <p>following group</p>
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<pre> &lt;routedata&gt; &lt;route&gt;   number [int]   caption [string]   preparation [int] [int] [int] [int] [int]    persblock [int] [int] [int] [int] [int]    maxcapacity [int] [int] [int] [int] [int]    amidtime [int] [int] [int] [int] [int]    maxcycles [int] [int] [int] [int] [int]    &lt;doors&gt;     data [int] [int] [int]     ...   &lt;/doors&gt;   &lt;goals&gt;     data [int] [int] [int]     ...   &lt;/goals&gt;   &lt;alternatives&gt;     stay [int]     route [int] [int]     route [int] [int]     ...   &lt;/alternatives&gt;   &lt;followups&gt;     save [int]     route [int] [int]     route [int] [int]     ...   &lt;/followups&gt; &lt;/route&gt; &lt;route&gt; ... &lt;/route&gt; ... &lt;/routedata&gt; </pre>	<p><b>route information *</b>  first route:  = ID number of route  = name of route  = 1. blocking duration (min, max, mean, stddev, distribution.)  distribution:  0: equal distributed  1: normal distributed  2: not used  = blocking duration per person (min, max, mean, stddev, distribution.)  = Max. capacity of persons. (min, max, mean, stddev, distribution.)  = intermediate blocking duration (min, max, mean, stddev, distribution.)  = Max. amount of cycles (min, max, mean, stddev, distribution.)  doors of corresponding route (important for spread)  = x-, y- und z-coordinates of a door</p> <p>destination of corresponding route (source of potential)  = enumeration of x-, y- und z-coordinates of destination cells</p> <p>alternative routes  = probability in % not to change route  = route (index, probability in %)  sum over all „route“-entries must be 100</p> <p>following routes  = probability in % to get rescued  = route (index, probability in %)  sum over all „route“-entries must be 100</p> <p>next route</p>
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<pre> &lt;shipmotion&gt;   cg_x [int]   cg_z [int] </pre>	<p><b>ship movement (AENEAS)</b>  = centre of gravity in x-direction  = centre of gravity in z-direction</p>
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<pre>filename [string] &lt;/shipmotion&gt;</pre>	<pre>= filename</pre>
<pre>&lt;logpoints&gt;   &lt;point&gt;     caption [string]     coords [int] [int] [int]   &lt;/point&gt;   ... &lt;/logpoints&gt;</pre>	<pre><b>log point to log the volume of people</b> definition of a log point = name of log point = cell coordinates of a point (x, y, z)</pre>
<pre>&lt;hazards&gt; elements [int] &lt;hazard&gt; caption [string] coords [int] [int] [int] block [int] [int] [int] [int] [int]  file [string] &lt;/hazard&gt; &lt;/hazards&gt;</pre>	<pre><b>Distress like fume etc.</b> = amount of elements definition of a distress element = name = cell coordinate = time when blocking begins (min, max, mean, stddev, deviation) = optional: path of a file with time series</pre>
<pre>EOF</pre>	<pre>end of file</pre>

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