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携程国际机票供应商直连接入与使用规则

附录文档

最新版本号：1.7

**版本修改历史**

|  |  |  |
| --- | --- | --- |
| **版本** | **发布日期** | **修改内容** |
| V0.1 | 薛正 | 新建 |
| V0.2 | 薛正 | 请求报文修改：  【新增】查询：行程类型,成人人数，儿童人数  返回报文修改：  【新增】查询：退改规则，订座系统来源，运价类型，实际承运航司，实际承运航班号 |
| V0.3 | 薛正 | 返回报文修改：  【新增】查询：经停机场；verify，order时请求参数中不含经停信息 |
| V0.4 | 薛正 | 返回报文修改：  【弃用】退改规则rule定义中弃用refund，endorse，baggage，other等文本说明属性  【新增】退改规则rule定义新增结构化退改相关属性  【修改】搜索，价格校验及生单接口返回status值重新定义 |
| V0.5 | 薛正 | 返回报文修改：  【新增】生单接口返回参数Status增加101，客户重复在多个平台系统使用同样客户信息预订相同的航班舱位信息，导致订位失败 |
| V1.0 | 薛正 | 1. 支持公布运价查询，增加PublishPrice，childPublishPrice，Eligibility，BookingOfficeNo，TicketingOfficeNo，FareBasis，ValidatingCarrier，depTerminal，arrTerminal，cabinGrade，duration等【公布运价私有运价统一报文】；  2. 供应商开通公布运价，则需要对公布运价强校验的字段，productType【PUB】，reservationType【GDS】进行强校验，校验成功，输出商务优选产品，否则输出为旅行套餐产品；  3. 公布运价不支持多PU运价产品，如供应商包含此类产品，则过滤；  4. 增加MinPassengerCount，MaxPassengerCount最小/最大出行人数，如果供应商查询未返回，携程对接默认为1，9，允许分销客户端选择在此数量之间的乘客人数；  5. 增加minStay，maxStay停留时长（天），如果供应商查询未返回，对接默认为0，改期使用；  6. 增加adultAgeRestriction, nationality, forbiddenNationality适用年龄区间，允许国籍，禁用国籍，按照下面规则提供上述信息，如无，表示无限制； |
| V1.1 | 薛正 | 增加增值服务查询接口，生单接口增加行李增值服务，搜索接口增加增值服务标志  公布运价增加服务费节点，旅行套餐录入服务费则过滤。 |
| V1.2 | 齐忠强 | 直连供应商使用携程退改签项目：  搜索结果报文中增加公布运价退改签相关节点；  生单请求报文中增加退改签信息相关节点（使用携程退改签才包含退改签信息）；  供应商返回报文增加英文行李额； |

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| --- | --- | --- |
| V1.3 | 欧阳夷 | 增加了invoiceType报销凭证节点，T 行程单 / F 发票 / E 电子发票1）该节点不传则默认发票；  2）若可以打印出行程单（即Eterm出票），可赋值为T；  3）暂不支持电子发票。 |
| V1.3 | 齐忠强 | Qte请求报文中增加referenceId  Order请求报文中增加ctripOrderId和referenceId |
| V1.3 | 孙晓东 | Order请求报文中增加adultOrderId和childOrderId |
| V1.4 | 欧阳夷 | 退改签部分增加NoShow时间、NoShow费用等节点；  增加乘客类型，可区分成人儿童退改签；  refundtype与changesType改为0、1类型，2、3通过Noshow节点合并；  删除弃用节点cnRemark与enRemark。 |
| V1.4 | 欧阳夷 | fareBasis改用分号（;）分隔 |
| V1.4 | 欧阳夷 | 生单返回参数中增加orderContact，需返回预订机票时所用邮箱及联系方式；  增值服务查询参数增加requestType。 |
| V1.4 | 欧阳夷 | 生单请求参数中增加用户常旅客卡信息FFPNo Element |
| V1.4 | 孙晓东 | Eligibility删除如下枚举值：EMI：移民；NEW：新移民；VFR：探亲访友；WOM：女士；TAI：台商 |
| V1.5 | 孙晓东 | 支持成人+婴儿及成人+儿童+婴儿 |
| V1.6 | 孙晓东 | 查询及验价返回的行李额实现格式化 |
| V1.6 | 欧阳夷 | 增加退改签匹配模式fareRuleMatchMode，准确或模糊匹配 |
| V1.7 | 孙晓东 | 删除文本行李额 |
| V1.8 | 孙晓东 | 增加控位产品productType为KWP |
| V1.8 | 孙晓东 | 支持积分票产品productType为JFP |
| V1.8 | 孙晓东 | 更新规则说明 |

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# 规则说明

* 1. 提供 3个接口：搜索、价格校验、生单；
  2. 提供接口 http 访问 url，统一字符编码：UTF-8；
  3. 在部署时Web容器或者代理需支持Gzip压缩
  4. Ctrip通过 http post 请求接口，接口返回符合 JSON 规范的 body；
  5. 生单传输数据须做 AES 加密后进行 BASE64 转码，密钥满足 128 位。生产环境密钥在测试完成后由双方共同协商确定；

加密模式：AES/CBC/PKCS5Padding

加密初始化向量：长度为 16 的空字节数组

测试用密钥：1234567890123456 加密样例如下

原文： abcdefghigklmnopqrstuvwxyz0123456789

加密后：

8Z3dZzqn05FmiuBLowExK0CAbs4TY2GorC2dDPVlsn/tP+VuJGePqIMv1uSaVErr

* 1. 接口使用 cid 身份识别及 IP 白名单验证机制；

# 二、 搜索接口(search)

## 搜索接口请求参数

|  |  |  |  |
| --- | --- | --- | --- |
| **参数** | **必须项** | **类型** | **详细说明** |
| cid | Yes | *string* | 接口身份标识用户名（渠道唯一标识） |
| tripType | Yes | *string* | 行程类型，1：单程；2：往返；3：多程（暂不支持）； |
| fromCity | Yes | *string* | 出发地城市 IATA 三字码代码 【注意请求的是城市不是机场】  （如果为多程，会按照 PEK/HKG，HKG/SHA 格式请求，第一程为北京->香港，第二程为香港->上海） |
| toCity | Yes | *string* | 目的地城市 IATA 三字码代码【注意请求的是城市不是机场】 |
| fromDate | Yes | *string* | 出发日期，格式为 YYYYMMDD  （如果为多程，按照20130729,20130804的方式传输数据） |
| retDate | No | *string* | 回程日期，格式为 YYYYMMDD（留空表示单程/多程） |
| adultNumber | Yes | *int* | 成⼈人数，1-9，供应商请按照实际请求出行人数返回相关运价数据【**特别注意**：查询请求是带人数的】 |
| childNumber | Yes | *int* | ⼉童人数，0-9（新上线供应商默认只开放成人，不开放多乘客类型） |
| infantNumber | Yes | *int* | 婴儿人数，0-9 |
| channel | Yes | *string* | 搜索请求渠道来源：F：FlightIntlOnline；M：Mobile ; K:积分票(对于积分票的查询请求, 查询返回报文的productType务必赋值为JFP,否则过滤)  1）若为F，要求在7S内返回结果；若为M，要求在5S内返回结果；  2） 若查询超时，直接熔断。  3）此字段非常重要，请务必注意 |
| isCompressEncode | No | *string* | 标识供应商查询返回报文是否需要压缩  1) 默认不压缩；如果为T，压缩编码；  2）若需要压缩，请联系我们处理。 |

## 请求样例

【只以单成人查询为例】

### 单程 单成人查询

{

"cid": "test",

"tripType": "1",

"fromCity": "BJS",

"toCity": "HKG",

"fromDate": "20170729",

"retDate": "",

"adultNumber ": 1,

"childNumber ": 0,

"infantNumber":0,

"channel": "F"

}

### 往返 单成人查询

{

"cid": "test",

"tripType": "2",

"fromCity": "SHA",

"toCity": "HKG",

"fromDate": "20170729",

"retDate": "20170804",

"adultNumber ": 1,

"childNumber ": 0,

"infantNumber":0,

"channel": "F"

}

### 多程 单成人查询

{

"cid": "test",

"tripType": "3",

"fromCity": "PEK/HKG,HKG/SHA",

"toCity": null,

"fromDate": "20170729,20170804",

"retDate": "",

"adultNumber ": 1,

"childNumber ": 0,

"infantNumber":0,

"channel": "F"

}

## 搜索接口返回参数

注：**加粗参数**是必须返回的参数

|  |  |  |
| --- | --- | --- |
| **参数** | **类型** | **说明** |
| **status** | *int* | * 0, 接口响应成功； * 3, 其他失败原因； * 4, ctrip请求参数错误； * 5, 程序异常； * -1, 网络异常(ctrip使用) * -2, response数据异常（ctrip使用）   **【注】无航线政策数据时请返回status = 0，routings空即可；status不为0都将计入查询接口响应失败** |
| **msg** | *string* | 提示信息，长度小于 64 |
| **routings** | *object* | 报价信息，参考下面的 Routing Element |
| Routing Element |  |  |
| **data** | *string* | 可保存必要信息，验价时会放在请求报文中传给供应商；  最大 1000 个字符 |
| publishPrice | *int* | **【公布运价强校验】**/**【携程退改签强校验】**  成人公布价（以CNY为单位），不含税 |
| **adultPrice** | *int* | 成人单价，不含税 |
| **adultTax** | *int* | 成人税费  1）不能是0，若存在为0的情况，请与我们联系 |
| childPublishPrice | *int* | **【公布运价强校验】**/**【携程退改签强校验】**  儿童公布价，不含税 |
| **childPrice** | *int* | 儿童单价，不含税  1）对于含儿童的查询，必须返回 |
| **childTax** | *int* | 儿童税费  1）对于含儿童的查询，必须返回；  2）不能是0，若存在为0的情况，请与我们联系 |
| infantPublishPrice | *int* | **【公布运价强校验】**/**【携程退改签强校验】**  婴儿公布价 |
| **infantPrice** | *int* | 婴儿单价，不含税  1）对于含婴儿的查询，必须返回 |
| **infantTax** | *int* | 婴儿税费  1）对于含婴儿的查询，必须返回；  2）可以为0 |
| **adultTaxType** | *int* | 成人税费类型，0：未含税 / 1：已含税  【注】正常赋0，如赋1请提前告知 |
| **childTaxType** | *int* | 儿童税费类型，0：未含税 / 1：已含税  【注】正常赋0，如赋1请提前告知 |
| **priceType** | *int* | 报价类型，0：普通价 / 1：留学生价  【注】请全部赋0 |
| **applyType** | *int* | 报价类型，0：预定价 / 1：申请价  【注】请全部赋0 |
| exchange | *decimal* | **【公布运价强校验】**  汇率 |
| adultAgeRestriction | *string* | 适用年龄区间  1）使用“-”表示“至”，例如\*-12，表示12岁及以下；  2）置空表示无限制  【注】如要使用此字段请提前通知我们，盲目使用会影响价格展示 |
| eligibility | *string* | **【公布运价强校验】/【携程退改签强校验】**  1）旅客资质，标准三字码：   * NOR：普通成人 * LAB：劳务人员 * SEA：海员 * SNR：老年人 * STU：学生 * YOU：青年   2）如果投放非NOR的政策，请提前告知我们 |
| nationality | *string* | 允许国籍，使用标准国家二字码  1）置空表示无限制（一般都是置空的）；  2）若多个使用“/”分割；  3）与forbiddenNationality只能2选1，若同时出现，为非法数据，将被过滤  【注】如要使用此字段请提前通知我们，盲目使用会影响价格展示 |
| forbiddenNationality | *string* | 禁用国籍，使用标准国家二字码  1）置空表示无限制（一般都是置空的）；  2）若多个使用“/”分割；  3）与nationality只能2选1，若同时出现，为非法数据，将被过滤  【注】如要使用此字段请提前通知我们，盲目使用会影响价格展示 |
| planCategory | *int* | **【公布运价强校验】**  产品类型，0：旅行套餐 / 1：商务优选 / 2：特惠推荐  【注】新上线供应商请赋值为0 |
| **invoiceType** | *string* | 报销凭证，T：行程单 / F：发票 / E：电子发票  1）默认F发票；  2）廉航票台可赋值为E电子发票；  3）非Eterm出票无法打印行程单，不可赋值T行程单；否则出票后系统无法打印，将自动转为F发票开票；  4）赋值T行程单或者E电子发票，请提前通知我们 |
| minStay | *string* | 最短停留时间，单位：天  【注】如要使用此字段请提前通知我们，盲目使用会影响价格展示 |
| maxStay | *string* | 最长停留时间，单位：天  【注】如要使用此字段请提前通知我们，盲目使用会影响价格展示 |
| minPassengerCount | *int* | 最小出行人数  【注】如果没有返回，默认为1 |
| maxPassengerCount | *int* | 最大出行人数  【注】如果没有返回，默认为9 |
| bookingOfficeNo | *string* | 订位Office号，可为空 |
| ticketingOfficeNo | *string* | 出票Office号，可为空 |
| **validatingCarrier** | *string* | **【公布运价强校验】**/**【携程退改签强校验】**  出票航司  1）整个行程只能赋一个出票航司；  2）如不赋值会取行程第一航段的carrier作为出票航司；  3）此字段非常重要，请务必准确赋值 |
| reservationType | *string* | 政策来源  1）非公布运价此字段可不赋值；  2）公布运价此字段必须按要求返回，否则产品将按照未知订座系统，输出到旅行套餐；  3）使用IATA标准2字代码   * 1E：TravelSky * 1A：Amadeus * 1B：Abacus * 1S：Sabre * 1P：WorldSpan * 1G：Galileo * OT：未知订座系统来源 |  | |
| productType | *string* | **【公布运价强校验】/【携程退改签强校验】**  产品类型，   * 公布运价产品：PUB * 控位产品：KWP * 私有运价产品：PRV * 积分票产品：JFP(只有在积分票查询请求时，返回积分票产品才有意义)   【注】使用控位产品、积分票产品类型，请提前通知我们 |  | |
| fareBasis | *string* | **【公布运价强校验】/【携程退改签强校验】**  1）farebasis数量必须和航段数一致  2）去程（或返程）的farebasis必须一致（即使多段）  3）去程FB可不等于返程FB  4）每航段1个，使用“ ; ”分割 |
| airlineAncillaries | *object* | 增值服务信息；参考 AirlineAncillaries Element |
| **fromSegments** | *array* | 去程航段按顺序；参考下面的 Segment Element  多程行程信息全部输出到此节点。 |
| retSegments | *array* | 回程航段按顺序；参考下面的 Segment Element  【注】单程OW搜索时，此节点返回空 |
| **rule** | *object* | 免费行李额信息、退改签信息；参考 Rule Element |
| *AirlineAncillaries Element* | | |
| baggageService | *boolean* | 行李增值服务，true：包含 / false：不包含  1）默认false |
| unFreeBaggage | *boolean* | 有无免费行李额，true：无免费行李额 / false：全部有免费行李额或部分有免费行李额  1）默认false |
| *Rule Element* | | |
| **~~baggageInfoList~~**  **【已弃用】** | *~~array~~* | ~~行李额规定；参考下方Baggage Element~~ |
| **formatBaggageInfoList** | *array* | 格式化行李额规定；参考下方FormatBaggage Element |
| **refundInfoList** | *array* | 退票规定；参考下面的Refund Element  1）单程和往返格式不同；  2）需要按照乘客类型分别赋值 |
| **changesInfoList** | *array* | 改期规定；参考下面的Changes Element |
| ~~serviceFee~~  【已弃用】 | *~~object~~* | ~~服务费规定；参考下面serviceFee Element~~ |
| note | *string* | 备注信息，最大 300 个字符  【注】目前此节点不展示 |
| isUseCtripRule | *boolean* | 是否要使用携程退改签，true ：使用 / false：不使用  1）默认false |
| tariffNo | *string* | **【携程退改签强校验】**  公布运价相关参数，地理区间见运价集群编码  【注】如供应商无法确定准确的tariffNo，此节点传运价类型，公布运价PUB，私有运价PRI |
| ruleNo | *string* | 公布运价相关参数 |
| fareRuleMatchMode | *int* | 退改签匹配模式，0：准确匹配 / 1：模糊匹配，  1）默认1 |
| *Baggage Element【已弃用】* | | |
| **~~segmentNo~~** | *~~int~~* | ~~航段序号，从1开始~~ |
| **~~adultBaggage~~** | *~~string~~* | ~~成人行李额中文版，格式重量+单位 如1件，每件15KG；如只限重量不限件数，赋重量即可，如23KG；此节点值不能为空（不能为空就要求必须赋值，但可以是0件）~~ |
| **~~childBaggage~~** | *~~string~~* | ~~儿童行李额中文版，格式同成人【对于含儿童的情况，此节点不能为空（不能为空就要求必须赋值，但可以是0件）】~~ |
| ~~infantBaggage~~ | *~~string~~* | ~~婴儿行李额中文版，格式同成人【对于含儿童的情况，此节点不能为空（不能为空就要求必须赋值，但可以是0件）】~~ |
| ~~enAdultBaggage~~ | *~~string~~* | ~~成人行李额英文版，格式重量+单位 示例：1P，23KG~~ |
| ~~enChildBaggage~~ | *~~string~~* | ~~儿童行李额英文版，格式同成人~~ |
| ~~enInfantBaggage~~ | *~~string~~* | ~~婴儿行李额英文版，格式同成人~~ |
| *FormatBaggage Element* | | |
| **segmentNo** | *int* | 航段序号，从1开始  按航段赋值 |
| **passengerType** | *int* | 乘客类型，0：成人 / 1：儿童 / 2：婴儿  1）对于多乘客类型的查询、验价，必须按乘客类型返回；如成人+儿童的查询，成人和儿童的行李额都要有 |
| **baggagePiece** | *int* | 行李额件数，单位PC，枚举值如下：   * 0：表示无免费托运行李，baggageWeight需赋值-1； * -1：表示计重制，baggageWeight表示每人可携带的总重量，baggageWeight必须赋正值 * n*（n>0）*：表示计件制，每人可携带n件行李，baggageWeight表示每件行李重量，baggageWeight必须赋正值 |
| **baggageWeight** | *int* | 行李额重量，单位KG，跟BaggagePiece配合使用 |
| cnBaggage | *string* | 中文行李额备注 |
| enBaggage | *string* | 英文行李额备注 |
| *Refund Element* | | |
| **refundType** | *int* | 退票类型   * 0：客票全部未使用； * 1：客票部分使用【即去程已使用，在往返行程中使用，代表回程的退票信息】   【注】单程时0；往返时0、1都要有 |
| **refundStatus** | *string* | 退票标识   * T：不可退 * H：有条件退 * F：免费退 * E：按航司客规【**商务优选产品类型专用，其他产品类型传E统一过滤**】 |
| refundFee | *decimal* | 退票费  1）若refundStatus =H,必须赋值；  2）若refundStatus =T/F,此字段可不赋值 |
| currency | *string* | 退票费币种  若refundStatus =H，必须赋值 |
| **passengerType** | *int* | 乘客类型，0：成人 / 1：儿童 / 2：婴儿  【注】对于多乘客类型的查询、验价，必须按乘客类型返回；如成人+儿童的查询，成人和儿童的退改签都要有 |
| **refNoshow** | *string* | 是否允许NoShow退票   * T：不可退； * H：有条件退； * F：免费退； * E：按航司客规为准，【**商务优选产品类型专用，其他产品类型传E统一过滤】** |
| **refNoShowCondition** | *int* | 退票时航班起飞前多久算NoShow，单位：小时  1）若无法确认此时间，请默认赋0。 |
| refNoshowFee | *decimal* | NoShow退票费用  1）当refNoshow =H，必须赋值；  2）当**refundStatus** = H 且 refNoshow = H 时，展示给客人的noshow退票费= refundFee+ refNoshowFee  3）当**refundStatus** = T 且 refNoshow = H时，展示给客人的noshow退票费 = 0+refNoshowFee |
| cnRefRemark | *string* | 中文退票备注，  【注】此节点目前不展示 |
| enRefRemark | *string* | 英文退票备注  【注】此节点目前不展示 |
| *Changes Element（0.4版本新增节点）* | | |
| **changesType** | *int* | 改期类型   * 0：客票全部未使用； * 1：客票部分使用【即去程已使用，在往返行程中使用，代表回程的退票信息】   【注】单程时0；往返时0、1都要有 |
| **changesStatus** | *string* | 改期标识   * T：不可改期 * H：有条件改期 * F：免费改期 * E：按航司客规，**【商务优选产品类型专用，其他产品类型传E统一过滤】** |
| changesFee | *decimal* | 退票费  1）当changesStatus =H,必须赋值；  2）若changesStatus =T/F,此字段可不赋值。 |
| currency | *string* | 退票费币种  1）当refundStatus =H，必须赋值。 |
| **passengerType** | *int* | 乘客类型，0 成人/1 儿童/2 婴儿  1）对于对乘客类型的查询、验价，必须按乘客类型返回；如成人+儿童的查询，成人和儿童的退改签都要有。 |
| revNoshow | *string* | 是否允许NoShow改期   * T：不可退； * H：有条件退； * F：免费退； * E：按航司客规为准**【商务优选产品类型专用，其他产品类型传E统一过滤】** |
| revNoShowCondition | *int* | 改期时航班起飞前多久算NoShow，单位：小时  1）若无法确认此时间，请默认赋0。 |
| revNoshowFee | *decimal* | NoShow改期费用  1）当revNoshow = H，必须赋值；  2）当**changesStatus** = H 且 revNoshow = H 时，展示给客人的noshow改期费= changesFee+ revNoshowFee  3）当**changesStatus** = T 且 revNoshow = H 时，展示给客人的noshow改期费 = 0+ revNoshowFee |
| cnRevRemark | *string* | 中文改期备注  【注】此节点目前不展示 |
| enRevRemark | *string* | 英文改期备注  【注】此节点目前不展示 |
| *~~ServiceFee Element~~****【已弃用】*** | | | |
| ~~revalidationFeeByCarrier~~ | *~~decimal~~* | ~~航司改签服务费~~ |
| ~~refundFeeByCarrier~~ | *~~decimal~~* | ~~航司退票服务费~~ |
| ~~currency~~ | *~~string~~* | ~~服务费币种，IATA标准币种编码，仅限人民币：CNY~~ |
| Segment Element |  |  |
| **carrier** | *string* | 销售航司 IATA 二字码，必须与 flightNumber 航司相同 |
| **flightNumber** | *string* | 航班号，如：CA123。  航班号数字前若有多余的数字 0，必须去掉；如 CZ006 需返回 CZ6 |
| **depAirport** | *string* | 出发机场；IATA 三字码 |
| depTerminal | *string* | 出发航站楼；使用简写，例如T1 |
| **depTime** | *string* | 起飞日期时间，格式：YYYYMMDDHHMM 例：201203100300 表示 2012 年 3 月 10 日 3 时 0 分 |
| **arrAirport** | *string* | 到达机场 IATA 三字码 |
| arrTerminal | *string* | 抵达航站楼，使用简写，例如T1 |
| **arrTime** | *string* | 到达日期时间，格式：YYYYMMDDHHMM 例：201203101305 表示 2012 年 3 月 10 日 13 时 5 分 |
| stopCities | *string* | 经停城市； IATA 三字码 |
| stopAirports | *string* | 经停机场； IATA 三字码 |
| **codeShare** | *boolean* | 代码共享标识（true 代码共享/false 非代码共享） |
| operatingCarrier | *string* | 实际承运航司  若codeShare=true， operatingCarrier不能为空。 |
| operatingFlightNo | *string* | 实际承运航班号 |
| **cabin** | *string* | 子舱位 |
| cabinGrade | *string* | 舱等；  头等：F；商务：C；超经：S；经济：Y【目前仅支持返回Y】 |
| aircraftCode | *string* | 机型 ，IATA标准3字码,并过滤下列机型运价信息BUS|ICE|LCH|LMO|MTL|RFS|TGV|THS|THT|TRN|TSL| |
| duration | *int* | 飞行时长；  单位为分钟，通过时差转换后的结果。 |

## 返回成功样例

### 无航班数据

{

"status": 0,

"msg": "success",

"routings": [

{}

]

}

### 单程 单成人数据

**【多乘客类型需要增加行李额及退改签等部分的list】**

{

"status": 0,

"msg": "success",

"routings": [

{

"data": "3da0a93eba26c6e8f28955fe65f426fadbec03d9",

"publishPrice": 700,

"adultPrice": 800,

"adultTax": 66,

"childPublishPrice": 380,

"childPrice": 400,

"childTax": 66,

"infantPublishPrice": 180,

"infantPrice": 200,

"infantTax": 16,

"adultTaxType": 0,

"childTaxType": 0,

"priceType": 0,

"applyType": 0,

"exchange": "",

"adultAgeRestriction": "",

"eligibility": "NOR",

"nationality": "",

"forbiddenNationality": "",

"planCategory": 1,

"invoiceType": "F",

"minStay": "",

"maxStay": "",

"minPassengerCount": 1,

"maxPassengerCount": 8,

"bookingOfficeNo": "",

"ticketingOfficeNo": "",

"validatingCarrier": "AA",

"reservationType": "",

"productType": "",

"fareBasis": "LLEECN;LLEECN",

"airlineAncillaries": {

"baggageService": "True",

"unFreeBaggage": "True",

"checkInServiceStatus": 1

},

"fromSegments": [

{

"carrier": "AA",

"depAirport": "LAX",

"depTime": "201203140140",

"arrAirport": "PEK",

"arrTime": "201203150530",

"stopAirports": "",

"codeShare": false,

"cabin": "B",

"aircraftCode": "777",

"flightNumber": "AA89",

"operatingCarrier": "",

"operatingFlightNo": "",

"depTerminal": "T2",

"arrTerminal": "T1",

"cabinGrade": "Y",

"duration": 130

},

{

"carrier": "CA",

"depAirport": "PEK",

"depTime": "201203151400",

"arrAirport": "TPE",

"arrTime": "201203151715",

"stopAirports": "",

"codeShare": false,

"cabin": "M",

"aircraftCode": "737",

"flightNumber": "CA189",

"operatingCarrier": "",

"operatingFlightNo": "",

"depTerminal": "T2",

"arrTerminal": "T2",

"cabinGrade": "Y",

"duration": 100

}

],

"retSegments": [],

"rule": {

"formatBaggageInfoList": [

{

"segmentNo": 1,

"passengerType": 0,

"baggagePiece": 1,

"baggageWeight": 23,

"cnBaggage": "",

"enBaggage": ""

},

{

"segmentNo": 2,

"passengerType": 0,

"baggagePiece": 1,

"baggageWeight": 23,

"cnBaggage": "",

"enBaggage": ""

}

],

"refundInfoList": [

{

"refundType": 0,

"refundStatus": "H",

"refundFee": 100,

"currency": "CNY",

"passengerType": 0,

"refNoshow": "H",

"refNoShowCondition": 0,

"refNoshowFee": 200,

"cnRefRemark": "",

"enRefRemark": ""

}

],

"changesInfoList": [

{

"changesType": 0,

"changesStatus": "T",

"changesFee": 0,

"currency": "CNY",

"passengerType": 0,

"revNoshow": "T",

"revNoShowCondition": 0,

"revNoshowFee": 0,

"cnRevRemark": "",

"enRevRemark": ""

}

],

"serviceFee": {

"revalidationFeeByCarrier ": 100,

"refundFeeByCarrier": 100,

"currency": "CNY"

},

"note": "不得升舱，不得累积里程",

"isUseCtripRule ": "true",

"tariffNo ": "001",

"ruleNo ": " WPEU "

}

}

]

}

### 往返 单成人数据

【多乘客类型需要增加行李额及退改签等部分的list】

{

"status": 0,

"msg": "success",

"routings": [

{

"data": "3da0a93eba26c6e8f28955fe65f426fadbec03d9",

"publishPrice": 700,

"adultPrice": 800,

"adultTax": 66,

"childPublishPrice": 380,

"childPrice": 400,

"childTax": 66,

"infantPublishPrice": 180,

"infantPrice": 200,

"infantTax": 16,

"adultTaxType": 0,

"childTaxType": 0,

"priceType": 0,

"applyType": 0,

"exchange": "",

"adultAgeRestriction": "",

"eligibility": "NOR",

"nationality": "",

"forbiddenNationality": "",

"planCategory": 1,

"invoiceType": "F",

"minStay": "",

"maxStay": "",

"minPassengerCount": 1,

"maxPassengerCount": 9,

"bookingOfficeNo": "",

"ticketingOfficeNo": "",

"validatingCarrier": "AA",

"reservationType": "",

"productType": "PUB",

"fareBasis": "LLEECN;LLEECN",

"airlineAncillaries": {

"baggageService": "True",

"unFreeBaggage": "True",

"checkInServiceStatus": 1

},

"fromSegments": [

{

"carrier": "AA",

"depAirport": "LAX",

"depTime": "201203140140",

"arrAirport": "PEK",

"arrTime": "201203150530",

"stopAirports": "",

"codeShare": false,

"cabin": "B",

"aircraftCode": "777",

"flightNumber": "AA89",

"operatingCarrier": "",

"operatingFlightNo": "",

"depTerminal": "T2",

"arrTerminal": "T1",

"cabinGrade": "Y",

"duration": 130

},

{

"carrier": "CA",

"depAirport": "PEK",

"depTime": "201203151400",

"arrAirport": "TPE",

"arrTime": "201203151715",

"stopAirports": "",

"codeShare": false,

"cabin": "M",

"aircraftCode": "737",

"flightNumber": "CA189",

"operatingCarrier": "",

"operatingFlightNo": "",

"depTerminal": "T2",

"arrTerminal": "T2",

"cabinGrade": "Y",

"duration": 100

}

],

"retSegments": [

{

"carrier": "B6",

"depAirport": "IAD",

"depTime": "201505291134",

"arrAirport": "BOS",

"arrTime": "201505291302",

"stopAirports": "",

"codeShare": false,

"cabin": "L",

"aircraftCode": "E90",

"flightNumber": "B6156",

"operatingCarrier": "",

"operatingFlightNo": "",

"depTerminal": "T2",

"arrTerminal": "T3",

"cabinGrade": "Y",

"duration": 60

}

],

"rule": {

"formatBaggageInfoList": [

{

"segmentNo": 1,

"passengerType": 0,

"baggagePiece": 1,

"baggageWeight": 23,

"cnBaggage": "",

"enBaggage": ""

},

{

"segmentNo": 2,

"passengerType": 0,

"baggagePiece": 1,

"baggageWeight": 23,

"cnBaggage": "",

"enBaggage": ""

},

{

"segmentNo": 3,

"passengerType": 0,

"baggagePiece": 1,

"baggageWeight": 15,

"cnBaggage": "",

"enBaggage": ""

}

],

"refundInfoList": [

{

"passengerType": 0,

"refundType": 0,

"refundStatus": "H",

"refundFee": 100,

"currency": "CNY",

"refNoshow": "H",

"refNoShowCondition": 2,

"refNoshowFee": 200,

"cnRefRemark": "",

"enRefRemark": ""

},

{

"passengerType": 0,

"refundType": 1,

"refundStatus": "T",

"refundFee": "",

"currency": "CNY",

"refNoshow": "T",

"refNoShowCondition": 0,

"refNoshowFee": "",

"cnRefRemark": "",

"enRefRemark": ""

}

],

"changesInfoList": [

{

"passengerType": 0,

"changesType": 0,

"changesStatus": "T",

"changesFee": 0,

"currency": "CNY",

"revNoshow": "T",

"revNoShowCondition": 2,

"revNoshowFee": 0,

"cnRevRemark": "",

"enRevRemark": ""

},

{

"passengerType": 0,

"changesType": 1,

"changesStatus": "T",

"changesFee": 0,

"currency": "CNY",

"revNoshow": "T",

"revNoShowCondition": 0,

"revNoshowFee": 0,

"cnRevRemark": "",

"enRevRemark": ""

}

],

"serviceFee": {

"revalidationFeeByCarrier ": 100,

"refundFeeByCarrier": 100,

"currency": "CNY"

},

"note": "不得升舱，不得累积里程",

"isUseCtripRule ": "true",

"tariffNo ": "001",

"ruleNo ": "WPEU "

}

}

]

}

## 返回失败样例

{

"status": 3,

"msg": "ERROR MESSAGE"

}

# 三、 价格校验接口(verify)

## 价格校验接口请求参数

|  |  |  |  |
| --- | --- | --- | --- |
| **参数** | **必须项** | **类型** | **详细说明** |
| cid | Yes | *string* | 接口身份标识用户名（渠道唯一标识） |
| referenceId | Yes | *string* | 携程关联ID；携程用来查问题用的。 |
| tripType | Yes | *string* | 行程类型，1：单程；2：往返；3：多程。 |
| requesttype | Yes | *string* | 请求类型，全部为1：验价； |
| adultNumber | Yes | *int* | 成⼈人数，1-9 |
| childNumber | Yes | *int* | ⼉童⼈数，0-9 |
| infantNumber | Yes | *int* | 婴儿人数，0-9 |
| routing | Yes | *object* | 报价信息，参考搜索返回结果中的 Routing Elements。 1）只含航班信息,航班信息不含经停城市/机场，机型；  2）不含价格信息、退改签信息、行李额信息等。 |

## 请求样例

### 单程 单成人验价请求

{

"cid": "test",

"referenceId": " 5116052316000152592",

"tripType": "1",

"requesttype": "1",

"adultNumber": 1,

"childNumber": 0,

"infantNumber": 0,

"routing": {

"data": "3da0a93eba26c6e8f28955fe65f426fadbec03d9",

"fromSegments": [

{

"carrier": "AA",

"depAirport": "PEK",

"depTime": "201203140140",

"arrAirport": "HKG",

"arrTime": "201203150530",

"codeShare": false,

"cabin": "E",

"flightNumber": "AA89",

"operatingCarrier": "",

"operatingFlightNo": ""

},

{

"carrier": "CA",

"depAirport": "HKG",

"depTime": "201204151400",

"arrAirport": "TPE",

"arrTime": "201204151715",

"codeShare": false,

"cabin": "E",

"flightNumber": "CA189",

"operatingCarrier": "",

"operatingFlightNo": ""

}

],

"retSegments": []

}

}

## 价格校验接口返回参数

|  |  |  |
| --- | --- | --- |
| **参数** | **类型** | **说明** |
| **status** | *int* | 0, 成功；  3,其他失败原因； 4,ctrip请求参数错误； 5,程序异常；  -1,网络异常(ctrip使用)  -2,response数据异常（ctrip使用）  【满仓或舱位数不足时，请返回status非0，失败原因为“舱位不足”】 |
| **msg** | *string* | 提示信息，长度下雨64 |
| **sessionId** | *string* | 会话标识：标记服务接口调用的唯一标识；  数字或字母，长度小于 20 个字符 。 |
| **maxSeats** | *int* | 可预订的座位数，最大为9；  供应商需要确保下maxSeats**不小于**验价请求人数。 |
| **routing** | *object* | 报价信息  1）参考搜索返回结果中的 Routing Elements  2）不含airlineAncillaries及Rule部分 |
| **rule** | *object* | 退改签信息及行李额信息  1）参考搜索返回结果中的 Rule Element；  2）不需返回serviceFee、isUseCtripRule、tariffNo及ruleNo  2）qte接口，如果产品是公布运价，退改签获取异常和未获取到结果，需要将价格校验接口返回参数的status标注为6。 |

## 返回成功样例

### 单程 单成人验价返回

【多乘客类型需要增加行李额及退改签等部分的list】

{

"status": 0,

"msg": "success",

"sessionid": "21320ads1775224266",

"maxSeats": 8,

"routings": {

"data": "3da0a93eba26c6e8f28955fe65f426fadbec03d9",

"publishPrice": 700,

"adultPrice": 800,

"adultTax": 66,

"childPublishPrice": 380,

"childPrice": 400,

"childTax": 66,

"infantPublishPrice": 180,

"infantPrice": 200,

"infantTax": 16,

"adultTaxType": 0,

"childTaxType": 0,

"priceType": 0,

"applyType": 0,

"exchange": 1.02,

"adultAgeRestriction": "2-70",

"eligibility": "NOR",

"nationality": "CN/US",

"forbiddenNationality": "",

"planCategory": 1,

"invoiceType": "F",

"minStay": "3",

"maxStay": "100",

"minPassengerCount": 1,

"maxPassengerCount": 9,

"bookingOfficeNo": "1264",

"ticketingOfficeNo": "1542",

"validatingCarrier": "MU",

"reservationType": "1E",

"productType": "PUB",

"fareBasis": "LLEECN;LLEECN",

"fromSegments": [

{

"carrier": "AA",

"depAirport": "LAX",

"depTime": "201203140140",

"arrAirport": "PEK",

"arrTime": "201203150530",

"stopAirports": "",

"codeShare": false,

"cabin": "B",

"aircraftCode": "777",

"flightNumber": "AA89",

"operatingCarrier": "",

"operatingFlightNo": "",

"depTerminal": "T2",

"arrTerminal": "T1",

"cabinGrade": "Y",

"duration": 130

},

{

"carrier": "CA",

"depAirport": "PEK",

"depTime": "201203151400",

"arrAirport": "TPE",

"arrTime": "201203151715",

"stopAirports": "",

"codeShare": false,

"cabin": "M",

"aircraftCode": "737",

"flightNumber": "CA189",

"operatingCarrier": "",

"operatingFlightNo": "",

"depTerminal": "T2",

"arrTerminal": "T2",

"cabinGrade": "Y",

"duration": 100

}

],

"retSegments": []

},

"rule": {

"formatBaggageInfoList": [

{

"segmentNo": 1,

"passengerType": 0,

"baggagePiece": 1,

"baggageWeight": 15,

"cnBaggage": "",

"enBaggage": ""

},

{

"segmentNo": 2,

"passengerType": 0,

"baggagePiece": 1,

"baggageWeight": 15,

"cnBaggage": "",

"enBaggage": ""

}

],

"refundInfoList": [

{

"refundType": 0,

"refundStatus": "H",

"refundFee": 100,

"currency": "CNY",

"passengerType": 0,

"refNoshow": "H",

"refNoShowCondition": 2,

"refNoshowFee": 200,

"cnRefRemark": "",

"enRefRemark": ""

}

],

"changesInfoList": [

{

"changesType": 0,

"changesStatus": "T",

"changesFee": 0,

"currency": "CNY",

"passengerType": 0,

"revNoshow": "T",

"revNoShowCondition": 2,

"revNoshowFee": 0,

"cnRevRemark": "",

"enRevRemark": ""

}

],

"note": "不得升舱，不得累积里程；"

}

}

### 往返 单成人验价返回

【多乘客类型需要增加行李额及退改签等部分的list】

{

"status": 0,

"msg": "success",

"sessionid": "21320ads1775224266",

"maxSeats": 8,

"routings": {

"data": "3da0a93eba26c6e8f28955fe65f426fadbec03d9",

"publishPrice": 700,

"adultPrice": 800,

"adultTax": 66,

"childPublishPrice": 380,

"childPrice": 400,

"childTax": 66,

"infantPublishPrice": 180,

"infantPrice": 200,

"infantTax": 16,

"adultTaxType": 0,

"childTaxType": 0,

"priceType": 0,

"applyType": 0,

"exchange": 1.02,

"adultAgeRestriction": "2-70",

"eligibility": "NOR",

"nationality": "CN/US",

"forbiddenNationality": "",

"planCategory": 1,

"invoiceType": "F",

"minStay": "3",

"maxStay": "100",

"minPassengerCount": 1,

"maxPassengerCount": 9,

"bookingOfficeNo": "1264",

"ticketingOfficeNo": "1542",

"validatingCarrier": "MU",

"reservationType": "1E",

"productType": "PUB",

"fareBasis": "LLEECN;LLEECN",

"fromSegments": [

{

"carrier": "AA",

"depAirport": "LAX",

"depTime": "201203140140",

"arrAirport": "PEK",

"arrTime": "201203150530",

"stopAirports": "",

"codeShare": false,

"cabin": "B",

"aircraftCode": "777",

"flightNumber": "AA89",

"operatingCarrier": "",

"operatingFlightNo": "",

"depTerminal": "T2",

"arrTerminal": "T1",

"cabinGrade": "Y",

"duration": 130

},

{

"carrier": "CA",

"depAirport": "PEK",

"depTime": "201203151400",

"arrAirport": "TPE",

"arrTime": "201203151715",

"stopAirports": "",

"codeShare": false,

"cabin": "M",

"aircraftCode": "737",

"flightNumber": "CA189",

"operatingCarrier": "",

"operatingFlightNo": "",

"depTerminal": "T2",

"arrTerminal": "T2",

"cabinGrade": "Y",

"duration": 100

}

],

"retSegments": [

{

"carrier": "B6",

"depAirport": "IAD",

"depTime": "201505291134",

"arrAirport": "BOS",

"arrTime": "201505291302",

"stopAirports": "",

"codeShare": false,

"cabin": "L",

"aircraftCode": "E90",

"flightNumber": "B6156",

"operatingCarrier": "",

"operatingFlightNo": "",

"depTerminal": "T2",

"arrTerminal": "T3",

"cabinGrade": "Y",

"duration": 60

}

]

},

"rule": {

"formatBaggageInfoList": [

{

"segmentNo": 1,

"passengerType": 0,

"baggagePiece": 1,

"baggageWeight": 23,

"cnBaggage": "",

"enBaggage": ""

},

{

"segmentNo": 2,

"passengerType": 0,

"baggagePiece": 1,

"baggageWeight": 23,

"cnBaggage": "",

"enBaggage": ""

},

{

"segmentNo": 3,

"passengerType": 0,

"baggagePiece": 1,

"baggageWeight": 15,

"cnBaggage": "",

"enBaggage": ""

}

],

"refundInfoList": [

{

"passengerType": 0,

"refundType": 0,

"refundStatus": "H",

"refundFee": 100,

"currency": "CNY",

"refNoshow": "H",

"refNoShowCondition": 2,

"refNoshowFee": 200,

"cnRefRemark": "",

"enRefRemark": ""

},

{

"passengerType": 0,

"refundType": 1,

"refundStatus": "T",

"refundFee": "",

"currency": "CNY",

"refNoshow": "T",

"refNoShowCondition": 0,

"refNoshowFee": "",

"cnRefRemark": "",

"enRefRemark": ""

}

],

"changesInfoList": [

{

"passengerType": 0,

"changesType": 0,

"changesStatus": "T",

"changesFee": 0,

"currency": "CNY",

"revNoshow": "T",

"revNoShowCondition": 2,

"revNoshowFee": 0,

"cnRevRemark": "",

"enRevRemark": ""

},

{

"passengerType": 0,

"changesType": 1,

"changesStatus": "T",

"changesFee": 0,

"currency": "CNY",

"revNoshow": "T",

"revNoShowCondition": 0,

"revNoshowFee": 0,

"cnRevRemark": "",

"enRevRemark": ""

}

],

"note": "不得升舱，不得累积里程；"

}

}

## 返回失败样例

{

"status": 3,

"msg": "ERROR MESSAGE"

}

# 

# 四、 生单接口(order)

## 

## 生单接口请求参数

|  |  |  |  |
| --- | --- | --- | --- |
| **参数** | **必须项** | **类型** | **详细说明** |
| cid | Yes | *string* | 接口身份标识用户名（渠道唯一标识） |
| ctripOrderId | Yes | *object* | 携程订单号，参考下面的ctripOrderId Element |
| referenceId | Yes | *string* | 携程关联ID |
| tripType | Yes | *string* | 行程类型，1：单程；2：往返；3：多程； |
| sessionId | Yes | *string* | 会话标识：标记服务接口调用的唯一标识，会将价格校验接口中的 sessionId 原值传给供应商 |
| routing | Yes | *string* | 报价信息，参考搜索返回结果中的 Routing Elements；  只含航班信息，不含价格信息、Rule信息。 |
| passengers | Yes | *array* | 乘机人信息，参考下面的 Passenger Element |
| contact | Yes | *object* | 联系人信息，参考下面的 Contact Element |
| passengerbaggages | No | *array* | 乘机人预订行李信息，参考下面的  PassengerBaggage Element |
| ctripRefRevServiceFee | No | *array* | 携程退改费用信息，参考下面的  CtripRefRevServiceFee Element |
| valueAddRequest | No | *object* | 增值服务请求信息，参考下面的 BookValueAddRequest Element  【JSON示例未添加此项】 |
| *CtripOrderId Element* | | |  |
| adultOrderId | Yes | *long* | 成人订单号 |
| childOrderId | NO | *long* | 儿童订单号 |
| infantOrderId | NO | *long* | 婴儿订单号 |
| *Passengers Element 乘机 人信息* | | |  |
| name | Yes | *string* | LastName/FirstName MiddleName，姓/名 |
| ageType | Yes | *int* | 乘客类型，0 成人/1 儿童/2 婴儿 |
| birthday | Yes | *string* | 生日，格式：YYYYMMDD |
| gender | Yes | *string* | 乘客性别，M 男 / F 女 |
| cardNum | Yes | *string* | 证件号码，最大 15 个字符 |
| cardType | Yes | *string* | 证件类型：  PP - 护照  GA - 港澳通行证  TW - 台湾通行证  TB - 台胞证  HX - 回乡证  HY - 国际海员证 |
| cardIssuePlace | Yes | *string* | 证件发行国家，国家二字码 |
| cardExpired | Yes | *string* | 证件有效时间，格式：YYYYMMDD |
| nationality | Yes | *string* | 乘客国籍，国家二字码 |
| ffpNo | No | *object* | 常旅客信息，参考下面的FFPNo Element |
| *FFPNo Element 常旅客信息* | | |  |
| cardNo | No | *string* | 常旅客卡号 |
| carrier | No | *string* | 常旅客卡航司 |
| *Contact Element 联系人信息* | | |  |
| name | Yes | *string* | 联系人姓名，不单独区分姓和名 |
| address | No | *string* | 详细地址 |
| postcode | No | *string* | 邮编 |
| email | No | *string* | 联系人邮箱 |
| mobile | No | *string* | 联系人手机号 |
| *PassengerBaggage Element 乘机人预订行李信息* | | | |
| passengerName | No | *string* | LastName/FirstName MiddleName，姓/名 |
| baggages | No | *array* | 行李信息集合参考Baggage Element （增值服务查询接口中的行李额节点） |
| *CtripRefRevServiceFee Element 携程退改费用信息* | | | |
| id | No | *long* | 携程订单号 |
| status | No | *int* | 退改签推送状态：0 正常， 1 异常 |
| outboundRevalidationFee | No | *decimal* | 去程改期费用 |
| outNonChg | No | *string* | 去程是否可改 |
| inboundRevalidationFee | No | *decimal* | 回程改期费用 |
| inNonChg | No | *string* | 回程是否可改 |
| refundFeeByConsolidator | No | *decimal* | 合作票台退票服务费 |
| outRefundFee | No | *decimal* | 全部未使用退票费用 |
| outNonRef | No | *string* | 全部未使用可否退票 |
| inRefundFee | No | *decimal* | 部分使用退票费用 |
| inNonRef | No | *string* | 部分使用可否退票 |
| revalidationFeeByConsolidator | No | *decimal* | 合作票台改期服务费 |
| outRevFeeCurrency | No | *string* | 去程改期费用币种 |
| inRevFeeCurrency | No | *string* | 回程改期费用币种 |
| inRefCurrency | No | *string* | 部分使用退票费用币种 |
| outRefCurrency | No | *string* | 全部未使用退票费用币种 |
| outNonRev | No | *string* | 是否允许去程改期 |
| inNonRev | No | *string* | 是否允许回程改期 |
| outRevChdFee | No | *decimal* | 去程儿童改期费 |
| inRevChdFee | No | *decimal* | 回程儿童改期费 |
| revHasNoShow | No | *string* | 是否允许No Show改期 |
| outRevNoShowFee | No | *decimal* | 去程No Show改期费用（成人） |
| inRevNoShowFee | No | *decimal* | 回程No Show改期费用（成人） |
| outRevNoShowChdFee | No | *decimal* | 去程 No Show改期儿童费用 |
| inRevNoShowChdFee | No | *decimal* | 回程 No Show改期儿童费用 |
| revNoShowCondition | No | *decimal* | NoShow改期条件 |
| outRefChdFee | No | *decimal* | 全部退票儿童费用-去程 |
| inRefChdFee | No | *decimal* | 部分退票儿童费用 |
| refHasNoShow | No | *string* | 是否允许No Show退票 |
| outRefNoShowFee | No | *decimal* | 全部No Show退票费用（成人）-去程 |
| inRefNoShowFee | No | *decimal* | 部分No Show退票费用（成人） |
| outRefNoShowChdFee | No | *decimal* | 全部No Show退票儿童费用-去程 |
| inRefNoShowChdFee | No | *decimal* | 部分No Show退票儿童费用 |
| refNoShowCondition | No | *decimal* | No-Show退票条件 |
| *BookValueAddRequest Element预定增值服务参数* | | | |
| shoppingCarts | Yes | *array* | 增值服务购物车 参考ValueAddShoppingCart Element |
| onlineCheckIns | No | *array* | 在线值机服务产品列表 参考OnlineCheckInDetail Element |
| *ValueAddShoppingCart Element增值服务购物车* | | | |
| passengerName | Yes | *string* | LastName/FirstName MiddleName，姓/名 |
| products | Yes | *array* | 选购的产品列表参考BookValueAddProduct Element |
| *BookValueAddProduct Element 选购的增值服务产品* | | | |
| productId | Yes | *string* | 产品ID，值机服务映射OnlineCheckInDetail.Id |
| type | Yes | *int* | 产品类型 1：值机服务 |
| count | Yes | *int* | 购买数量 |
| tag | No | *string* | 定制化产品附加信息 |
| processStatus | Yes | *int* | 处理状态 0： 待处理 1：处理成功 2：处理失败 |
| processDetail | No | *string* | 处理结果详细信息 |
| *OnlineCheckInDetail Element 值机服务详细信息* | | | |
| openCheckInTime | Yes | *string* | 开放值机时间，格式：yyyyMMddHHmm 例：201203101305 表示 2012 年 3 月 10 日 13 时 5 分 |
| minAge | No | *int* | 最小值机人年龄 |
| costPrice | Yes | *decimal* | 底价 |
| id | Yes | *string* | 产品Id |
| flight | Yes | *string* | 航班号 |
| fromAirport | Yes | *string* | 出发机场 |
| toAirport | Yes | *string* | 到达机场 |
| depTime | Yes | *string* | 起飞日期时间，格式：yyyyMMddHHmm 例：201203101305 表示 2012 年 3 月 10 日 13 时 5 分 |

## 请求样例

{

"cid": "test",

"ctripOrderId": {

"adultOrderId": "2360250238",

"childOrderId": "2360250239",

"infantOrderId": "2360250240"

},

"referenceId": "5116052316000152592",

"tripType": "1",

"sessionId": "S12345",

"routing": {

"data": "3da0a93eba26c6e8f28955fe65f426fadbec03d9",

"fromSegments": [

{

"carrier": "AA",

"depAirport": "PEK",

"depTime": "201203140140",

"arrAirport": "HKG",

"arrTime": "201203150530",

"stopAirports": "",

"codeShare": false,

"cabin": "E",

"aircraftCode": "777",

"flightNumber": "AA89",

"operatingCarrier": "",

"operatingFlightNo": ""

},

{

"carrier": "CA",

"depAirport": "HKG",

"depTime": "201204151400",

"arrAirport": "TPE",

"arrTime": "201204151715",

"stopAirports": "",

"codeShare": false,

"cabin": "E",

"aircraftCode": "737",

"flightNumber": "CA189",

"operatingCarrier": "",

"operatingFlightNo": ""

}

],

"retSegments": []

},

"passengers": [

{

"name": " Marcus/Tom",

"ageType": 0,

"birthday": "19740225",

"gender": "M",

"cardType": "PP",

"cardNum": "G75678926",

"cardExpired": "20200101",

"cardIssuePlace": "CN",

"nationality": "CN",

"ffpNo": {

"cardNo": "123456",

"carrier": "CA"

}

},

{

"name": " Marcus/Jack",

"ageType": 1,

"birthday": "20060225",

"gender": "M",

"cardType": "PP",

"cardNum": "G75675889",

"cardExpired": "20200101",

"cardIssuePlace": "CN",

"nationality": "CN",

"ffpNo": {

"cardNo": "654321",

"carrier": "CA"

}

},

{

"name": " Marcus/Mike",

"ageType": 2,

"birthday": "20160225",

"gender": "M",

"cardType": "PP",

"cardNum": "G12345689",

"cardExpired": "20200101",

"cardIssuePlace": "CN",

"nationality": "CN",

"ffpNo": {

"cardNo": "",

"carrier": ""

}

}

],

"contact": {

"name": "Marcus/Tom",

"address": "xxxx spring valley road",

"postcode": "12345",

"email": "",

"mobile": "13800000000"

},

"passengerbaggages": [

{

"passengerName": "Marcus/Tom",

"baggages": [

{

"flight": "AA89",

"fromAirport": "PEK",

"toAirport": "HKG",

"depTime": "201507010920",

"cabin": "K",

"baggagePrices": [

{

"weight": 5,

"bookSalePrice": 100,

"ticketSalePrice": 200,

"airportSalePrice": 300,

"refundFee": 100,

"desc": ""

}

]

},

{

"flight": "CA189",

"fromAirport": "HKG",

"toAirport": "TPE",

"depTime": "201507010920",

"cabin": "K",

"baggagePrices": [

{

"weight": 5,

"bookSalePrice": 100,

"ticketSalePrice": 200,

"airportSalePrice": 300,

"refundFee": 100,

"desc": ""

}

]

}

]

},

{

"passengerName": "Marcus/Jack",

"baggages": [

{

"flight": "AA89",

"fromAirport": "PEK",

"toAirport": "HKG",

"cabin": "K",

"depTime": "201507010920",

"baggagePrices": [

{

"weight": 5,

"bookSalePrice": 100,

"ticketSalePrice": 200,

"airportSalePrice": 300,

"refundFee": 100,

"desc": ""

}

]

},

{

"flight": "CA189",

"fromAirport": "HKG",

"toAirport": "TPE",

"cabin": "K",

"depTime": "201507010920",

"baggagePrices": [

{

"weight": "5.00",

"bookSalePrice": "100.00",

"ticketSalePrice": "200.00",

"airportSalePrice": "300.00",

"refundFee": "100.00",

"desc": ""

}

]

}

]

}

],

"ctripRefRevServiceFee": [

{

"id": 2360250238,

"status": 0,

"outboundRevalidationFee": 100,

"outRevFeeCurrency": "RMB",

"inboundRevalidationFee": 100,

"inRevFeeCurrency": "RMB",

"revalidationFeeByConsolidator": 50,

"outNonChg": "T",

"inNonChg": "T",

"outNonRev": "T",

"inNonRev": "T",

"outRevChdFee": 100,

"inRevChdFee": 100,

"revHasNoShow": "T",

"outRevNoShowFee": 100,

"inRevNoShowFee": 100,

"outRevNoShowChdFee": 100,

"inRevNoShowChdFee": 100,

"revNoShowCondition": 0,

"inRefundFee": 100,

"inRefCurrency": "RMB",

"outRefundFee": 100,

"outRefCurrency": "RMB",

"refundFeeByConsolidator": 50,

"outNonRef": "T",

"inNonRef": "F",

"outRefChdFee": 100,

"inRefChdFee": 100,

"refHasNoShow": "T",

"outRefNoShowFee": 100,

"inRefNoShowFee": 100,

"outRefNoShowChdFee": 100,

"inRefNoShowChdFee": 100,

"refNoShowCondition": 0

}

]

}

## 生单成功返回参数

|  |  |  |
| --- | --- | --- |
| **参数** | **类型** | **说明** |
| **status** | *int* | 0, 成功；  1,舱位已售完； 2,舱位数不足； 3,其他失败原因； 4,ctrip请求参数错误； 5,程序异常；  -1,网络异常(ctrip使用)  -2,response数据异常（ctrip使用）  101, 客户重复在多个平台系统使用同样客户信息预订相同的航班舱位信息，导致订位失败  【若舱位发生变化，请返回失败】 |
| **msg** | *string* | 提示信息，长度小于 64。 |
| **sessionId** | *string* | 会话标识：标记服务接口调用的唯一标识，将生单请求中的 sessionId 原值返回。 |
| orderNo | *string* | 订单号，最大 100 个字符  供应商可随意赋值 |
| **pnrCode** | *string* | PNR 编码，最大 6 个字符 |
| **maxSeats** | *int* | 可预订的座位数，最大为 9 【生单时携程不会再校验座位数，只要供应商返回的status为0且pnrCode为6 个字符，就认为生单成功】 |
| orderContact | *object* | 订位联系人信息，参考生单请求中的 Contact Element，需返回预订机票时所用邮箱及联系方式。【廉航票台必须返回】 |
| **routing** | *array* | 报价信息  1)参考搜索返回结果中的 Routing Elements  2)不含airlineAncillaries部分 |
| passengerbaggages | *array* | 乘机人预订行李信息参考PassengerBaggage Element |
| ValueAddResult | *object* | 增值服务预定结果，参考下面的 BookValueAddResult Element  【JSON示例未添加此项】 |
| *BookValueAddResult Element增值服务预定结果* | | |
| shoppingCarts | *array* | 增值服务预定结果，参考下单请求报文的 ValueAddShoppingCart Element  预定成功或者失败，需要修改processStatus的状态 |

## 返回成功样例

### 单程 生单返回

{

"status": 0,

"msg": "success",

"sessionId": "S12345",

"orderNo": "Ticket-AAA-2013031209-0001",

"pnrCode": "HUICDE",

"maxSeats": 9,

"orderContact": {

"email": " 123456@qq.com",

"mobile": "13000000000"

},

"routing": {

"data": "3da0a93eba26c6e8f28955fe65f426fadbec03d9",

"publishPrice": 700,

"adultPrice": 800,

"adultTax": 66,

"childPublishPrice": 380,

"childPrice": 400,

"childTax": 66,

"infantPublishPrice": 180,

"infantPrice": 200,

"infantTax": 16,

"adultTaxType": 0,

"childTaxType": 0,

"priceType": 0,

"applyType": 0,

"exchange": "",

"adultAgeRestriction": "",

"eligibility": "NOR",

"nationality": "",

"forbiddenNationality": "",

"planCategory": 1,

"invoiceType": "F",

"minStay": "",

"maxStay": "",

"minPassengerCount": 1,

"maxPassengerCount": 8,

"bookingOfficeNo": "",

"ticketingOfficeNo": "",

"validatingCarrier": "AA",

"reservationType": "",

"productType": "",

"fareBasis": "LLEECN;LLEECN",

"fromSegments": [

{

"carrier": "AA",

"depAirport": "LAX",

"depTime": "201203140140",

"arrAirport": "PEK",

"arrTime": "201203150530",

"stopAirports": "",

"codeShare": false,

"cabin": "B",

"aircraftCode": "777",

"flightNumber": "AA89",

"operatingCarrier": "",

"operatingFlightNo": "",

"depTerminal": "T2",

"arrTerminal": "T1",

"cabinGrade": "Y",

"duration": 130

},

{

"carrier": "CA",

"depAirport": "PEK",

"depTime": "201203151400",

"arrAirport": "TPE",

"arrTime": "201203151715",

"stopAirports": "",

"codeShare": false,

"cabin": "M",

"aircraftCode": "737",

"flightNumber": "CA189",

"operatingCarrier": "",

"operatingFlightNo": "",

"depTerminal": "T2",

"arrTerminal": "T2",

"cabinGrade": "Y",

"duration": 100

}

],

"retSegments": [],

"rule": {

"formatBaggageInfoList": [

{

"segmentNo": 1,

"passengerType": 0,

"baggagePiece": 1,

"baggageWeight": 23,

"cnBaggage": "",

"enBaggage": ""

},

{

"segmentNo": 2,

"passengerType": 0,

"baggagePiece": 1,

"baggageWeight": 23,

"cnBaggage": "",

"enBaggage": ""

}

],

"refundInfoList": [

{

"refundType": 0,

"refundStatus": "H",

"refundFee": 100,

"currency": "CNY",

"passengerType": 0,

"refNoshow": "H",

"refNoShowCondition": 0,

"refNoshowFee": 200,

"cnRefRemark": "",

"enRefRemark": ""

}

],

"changesInfoList": [

{

"changesType": 0,

"changesStatus": "T",

"changesFee": 0,

"currency": "CNY",

"passengerType": 0,

"revNoshow": "T",

"revNoShowCondition": 0,

"revNoshowFee": 0,

"cnRevRemark": "",

"enRevRemark": ""

}

],

"serviceFee": {

"revalidationFeeByCarrier ": 100,

"refundFeeByCarrier": 100,

"currency": "CNY"

},

"note": "不得升舱，不得累积里程；"

}

},

"passengerbaggages": [

{

"passengerName": "Marcus/Tom",

"baggages": [

{

"flight": "AA89",

"fromAirport": "PEK",

"toAirport": "HKG",

"cabin": "K",

"depTime": "201507010920",

"baggagePrices": [

{

"weight": 5,

"bookSalePrice": 100,

"ticketSalePrice": 200,

"airportSalePrice": 300,

"refundFee": 100,

"desc": ""

}

]

},

{

"flight": "CA189",

"fromAirport": "HKG",

"toAirport": "TPE",

"cabin": "K",

"depTime": "201507010920",

"baggagePrices": [

{

"weight": 5,

"bookSalePrice": 100,

"ticketSalePrice": 200,

"airportSalePrice": 300,

"refundFee": 100,

"desc": ""

}

]

}

]

},

{

"passengerName": "Marcus/Jack",

"baggages": [

{

"flight": "AA89",

"fromAirport": "PEK",

"toAirport": "HKG",

"cabin": "K",

"depTime": "201507010920",

"baggagePrices": [

{

"weight": 5,

"bookSalePrice": 100,

"ticketSalePrice": 200,

"airportSalePrice": 300,

"refundFee": 100,

"desc": ""

}

]

},

{

"flight": "CA189",

"fromAirport": "HKG",

"toAirport": "TPE",

"cabin": "K",

"depTime": "201507010920",

"baggagePrices": [

{

"weight": 5,

"bookSalePrice": 100,

"ticketSalePrice": 200,

"airportSalePrice": 300,

"refundFee": 100,

"desc": ""

}

]

}

]

}

]

}

## 返回失败样例

{

"status": 3,

"msg": "ERROR MESSAGE"

}