

ArcBest Technologies

TMS Expedite Quote and Book Instructions and JSON

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Preliminary Info

1. API top level URI is <https://test.api.arcb.com/Expedite/Digital/>
2. Request basic authentication username and password from the ArcBest Expedite team.
3. Please provide your tracking endpoint information to us with authentication details. See step 6 for tracking

QuoteCreate

POST: /quote

Description

Send a rate quote request to retrieve initial pricing and timing availability.

Errors may include: dimensions/weight beyond limits, incompatible scheduling, or rejected accessorials (temp control, lift gate, hazmat).

Response includes earliest available pickup. Show this info to customer in case they initially selected a time that is too early.

Example

Request

```
{
  "Source": "P44",
  "UserName": "uutilis",
  "ArcBestCustomerId": "128932",

  "Payer": "Shipper",
  "Shipper": {
    "Type": "Unspecified",
    "Address": "8485 215th Street West",
    "City": "Lakeville",
    "State": "MN",
    "Zip": "55044",
    "Country": "US"
  },
  "Consignee": {
    "Type": "Unspecified",
    "Address": "2995 Quail Road Northeast",
    "City": "Sauk Rapids",
    "State": "MN",
    "Zip": "56379",
    "Country": "US"
  },

  "PickupDate": "2023-03-09T20:49:11.244Z",
  "Commodities": [
    {
      "Length": 123,
      "Width": 32,
      "Height": 12,
      "Weight": 300,
      "Quantity": 1,
```

```

        "PackageType": "Pallet",
        "FreightClass": "92.5",

        "NMFCNumber": "nmfcno",
        "NMFCSub": "subno"
    }
],
"NotifyBeforeDelivery": true,
"Accessorials": [
    {
        "Code": "string",
        "Quantity": 1
    }
]
}

```

Good Quote response

```

{
    "ExpediteQuoteId": "P0001997903",
    "Charge": 16465.30,
    "AdvertisedTransitDays": 4,
    "AdvertisedDueDate": "2023-04-14T00:00:00",
    "PickupDate": "2023-04-10T00:00:00",
    "ItemizedCharges": {
        "Items": [
            {
                "Type": "CHARGE",
                "For": "FREIGHT",
                "Amount": 12004.04,
                "Description": "Transportation Price",
                "Rate": null
            },
            {
                "Type": "CHARGE",
                "For": "FSC",
                "Amount": 2461.26,
                "Description": "Fuel Surcharge Price",
                "Rate": null
            },
            {
                "Type": "CHARGE",
                "For": "SPECIALLOC",
                "Amount": 2000.00,
                "Description": "Zip Code",
                "Rate": 2000.00
            }
        ]
    }
}

```

```

    ]
  },
  "Notes": [
    "Earliest pick up commit time is: 4/10/2023 9:30:00 PM.",
    "A straight truck will be dispatched."
  ],
  "Errors": []
}

```

Error Quote Responses

```

{
  "ExpediteQuoteId": null,
  "Charge": null,
  "AdvertisedTransitDays": null,
  "AdvertisedDueDate": null,
  "PickupDate": null,
  "ItemizedCharges": {
    "Items": []
  },
  "Notes": [],
  "Errors": [
    {
      "Code": 400,
      "Message": "Must submit destination city"
    },
    {
      "Code": 400,
      "Message": "Origin Ready date must be in the future"
    }
  ]
}

```

```

{
  "ExpediteQuoteId": null,
  "Charge": null,
  "AdvertisedTransitDays": null,
  "AdvertisedDueDate": null,
  "PickupDate": null,
  "ItemizedCharges": {
    "Items": []
  },
  "Notes": [],
  "Errors": [
    {

```

```
    "Code": 400,  
    "Message": "The mileage of the quoted haul is not valid for ArcBest expedite."  
  }  
]  
}
```

BookingCreate

PUT: /booking

Description

After showing the customer the response information (including quote id, pricing, schedule dates, note at bottom), if they wish to book then they will send a booking request from your client.

Example

Request

```
{
  "Source": "P44",
  "ExpediteQuoteId": "P0001997909",
  "Party": {
    "Shipper": {
      "Location": {
        "CompanyName": "Prop Shaft Supply",
        "Address1": "2153 Hobbs Dr",
        "Address2": null,
        "ReadyTime": "2023-04-10T09:00:00",
        "CloseTime": "2023-04-10T16:30:00",
        "Instructions": null
      },
      "Contact": {
        "FirstName": "Rob",
        "LastName": "Chase",
        "Email": "rchase@pssupply.com",
        "Phone": "2627431606",
        "PhoneExt": "726"
      },
    },
    "Consignee": {
      "Location": {
        "CompanyName": "AMZ MANUFACTURING CORP.",
        "Address1": "100 BOXWOOD LANE",
        "Address2": null,
        "ReadyTime": null,
        "CloseTime": null,
        "Instructions": null
      },
      "Contact": {
        "FirstName": "CHAD",
        "LastName": null,
        "Email": null,

```



```
        "Phone": "7178914157",
        "PhoneExt": null
    },
},
"Requester": {
    "Location": {
        "CompanyName": "Prop Shaft Supply",
        "Address1": "2153 Hobbs Dr",
        "Address2": null,
        "ReadyTime": null,
        "CloseTime": null,
        "Instructions": null
    },
    "Contact": {
        "FirstName": "Rob",
        "LastName": "Chase",
        "Email": "rchase@pssupply.com",
        "Phone": "2627431606",
        "PhoneExt": "726"
    }
}
},
"Shipment": {
    "ReferenceNumbers": {
        "BOL": [],
        "PO": [],
        "CRN": []
    },
    "SpecialInstructions": null,
    "Commodities": [
        {
            "Length": 37.0,
            "Width": 25.0,
            "Height": 17.0,
            "Weight": "801.0",
            "Quantity": 1.0,
            "PackageType": "Pallet",
            "FreightClass": "60",
            "Description": "STEEL COMPONENTS",
            "NMFCNumber": null,
            "NMFCSub": null
        }
    ],
    "Accessorials": [
        {
            "Code": "string",
            "Quantity": 1
        }
    ]
}
```

```
    }  
  ]  
}  
}
```

Response

```
{  
  "pronumber": null,  
  "confirmation": "P0004429138",  
  "bol": null,  
  "label": null,  
  "errors": []  
}
```

BookingGetStatus

GET: /booking/status

Description

After receiving a booking from a 3rd party digital platform customer, our operations team will finalize the booking and dispatch on our end. The quote will show one of the codes below and, when booked, will return an ArcBest pro number and Expedite order BOL number.

Statuses

| Status | Integer |
|-------------------|---------|
| QUOTED | 1 |
| BOOKINGINPROGRESS | 2 |
| SHIPMENTBOOKED | 3 |
| UNABLETOFULFILL | 4 |
| UNKNOWN | 5 |

Example

<https://test.api.arcb.com/expedite/digital/booking/status?quoteids=P0004373364"eids=P0004424898"eids=P0004429138>

```
{
  "P0004373364": {
    "Status": 2,
    "StatusString": "BOOKINGINPROGRESS",
    "ExpediteOrderNo": null,
    "ArcBestOrderNo": null
  },
  "P0004424898": {
    "Status": 3,
    "StatusString": "SHIPMENTBOOKED",
    "ExpediteOrderNo": "20230182865",
    "ArcBestOrderNo": "433672787"
  },
  "P0004429138": {
    "Status": 2,
    "StatusString": "BOOKINGINPROGRESS",
    "ExpediteOrderNo": null,
    "ArcBestOrderNo": null
  }
}
```

OrderBol

GET: /order/bol/{expediteOrderNo}

<https://test.api.arcb.com/expedite/digital/order/bol/20220869852>

Description

Use the expedite order BOL number from the previous step after the shipment is booked.

OrderUpdateRefs

POST: /order/refs

Description

Call the appropriate order/ref endpoint with POST to update purchase order (PO) numbers or customer references (CUSTREFs) on the BOL.

Example

POST <https://test.api.arcb.com/expedite/digital/order/refs/{arcbestpronumber}>

<https://test.api.arcb.com/expedite/digital/order/refs/433538446>

```
[
  {
    "type": "PO",
    "value": " P44PO433538446"
  },
  {
    "type": "CUSTREF",
    "value": "CRP44433538446"
  }
]
```

Track and Trace

Description

The ArcBest Expedite Third Party Track and Trace system keeps track of orders as they are dispatched and receive milestones and location pings. Each update triggers POSTing the full order history to your tracking endpoint.

Note: You must develop an endpoint to refresh shipment history when you receive an update from us (either in full or adding new entries since the last update based on their timestamp). The model is included in Arcbest Expedite Tracking Model.xlsx which explains the tracking, sequence, and field values.

Example

```
{
  "Shipment": {
    "ShipmentIdentifiers": [
      {
        "Type": 1,
        "Value": "433673242" // arcbest order pro
      },
      {
        "Type": 0,
        "Value": "20230183326" // arcbest BOL #
      }
    ],
    "expediteOrderNo": "20230183326",
    "arcbestOrderNo": "433673242"
  },
  "StatusUpdates": [
    {
      "ShipmentStatus": 4,
      "StatusCode": 4,
      "StopType": 1,
      "Timestamp": {
        "Date": "2023-01-20",
        "Time": "08:31:00",
        "TimeZoneOffset": "-06:00:00"
      },
      "RetrievalDateTime": "2023-01-20T14:32:00Z",
      "StatusReasonDescription": "Delivered",
      "Address": {
        "Country": 0,
        "PostalCode": "35601",
        "AddressLines": [
          "1025 BROOKS STREET SE",

```

```

        ""
    ],
    "City": "DECATUR",
    "State": "AL"
},
{
    "ShipmentStatus": 3,
    "StatusCode": 3,
    "StopType": 1,
    "Timestamp": {
        "Date": "2023-01-20",
        "Time": "08:31:24",
        "TimeZoneOffset": "-06:00:00"
    },
    "RetrievalDateTime": "2023-01-20T14:31:24.71Z",
    "StatusReasonDescription": "Out of Destination",
    "Address": {
        "Country": 0,
        "PostalCode": "78577-7279",
        "AddressLines": [
            "9601 INTERNATIONAL BLVD",
            ""
        ],
        "City": "PHARR",
        "State": "TX"
    }
},
{
    "ShipmentStatus": 2,
    "StatusCode": 0,
    "StopType": 3,
    "Timestamp": {
        "Date": "2023-01-20",
        "Time": "08:23:05",
        "TimeZoneOffset": "-06:00:00"
    },
    "RetrievalDateTime": "2023-01-20T14:23:05Z",
    "StatusReasonDescription": "In Transit to
Delivery",
    "Address": {
        "Country": 0,
        "PostalCode": "78577",
        "AddressLines": [
            "",
            ""
        ],
        "City":

```

```
        "City": "Pharr",
        "State": "TX"
    },
    {
        "ShipmentStatus": 2,
        "StatusCode": 0,
        "StopType": 3,
        "Timestamp": {
            "Date": "2023-01-20",
            "Time": "08:12:36",
            "TimeZoneOffset": "-06:00:00"
        },
        "RetrievalDateTime": "2023-01-20T14:12:36Z",
        "StatusReasonDescription": "In Transit to
Delivery",
        "Address": {
            "Country": 0,
            "PostalCode": "78577",
            "AddressLines": [
                "9601 South International Boulevard",
                ""
            ],
            "City": "Pharr",
            "State": "TX"
        }
    },
    {
        "ShipmentStatus": 3,
        "StatusCode": 1,
        "StopType": 1,
        "Timestamp": {
            "Date": "2023-01-20",
            "Time": "08:01:15",
            "TimeZoneOffset": "-06:00:00"
        },
        "RetrievalDateTime": "2023-01-20T14:01:15.373Z",
        "StatusReasonDescription": "In at Destination",
        "Address": {
            "Country": 0,
            "PostalCode": "78577-7279",
            "AddressLines": [
                "9601 INTERNATIONAL BLVD",
                ""
            ],
            "City": "PHARR",
            "State": "TX"
        }
    }
}
```



```

    },
    {
      "ShipmentStatus": 2,
      "StatusCode": 0,
      "StopType": 3,
      "Timestamp": {
        "Date": "2023-01-19",
        "Time": "12:57:27",
        "TimeZoneOffset": "-06:00:00"
      },
      "RetrievalDateTime": "2023-01-19T18:57:27Z",
      "StatusReasonDescription": "In Transit to
Delivery",
      "Address": {
        "Country": 0,
        "PostalCode": "35603",
        "AddressLines": [
          "3041 Point Mallard Parkway Southeast
(AL-67) ",
          ""
        ],
        "City": "Decatur",
        "State": "AL"
      }
    },
    {
      "ShipmentStatus": 2,
      "StatusCode": 0,
      "StopType": 0,
      "Timestamp": {
        "Date": "2023-01-19",
        "Time": "12:47:04",
        "TimeZoneOffset": "-06:00:00"
      },
      "RetrievalDateTime": "2023-01-19T18:47:04.11Z",
      "StatusReasonDescription": "Out of Pickup",
      "Address": {
        "Country": 0,
        "PostalCode": "35601",
        "AddressLines": [
          "1025 BROOKS STREET SE",
          ""
        ],
        "City": "DECATUR",
        "State": "AL"
      }
    }
  ]
}

```

```

    },
    {
      "ShipmentStatus": 0,
      "StatusCode": 3,
      "StopType": 3,
      "Timestamp": {
        "Date": "2023-01-19",
        "Time": "12:40:15",
        "TimeZoneOffset": "-06:00:00"
      },
      "RetrievalDateTime": "2023-01-19T18:40:15Z",
      "StatusReasonDescription": "In Transit to
Pickup",
      "Address": {
        "Country": 0,
        "PostalCode": "35601",
        "AddressLines": [
          "Beltline Road Southeast & Brooks
Street Southeast",
          ""
        ],
        "City": "Decatur",
        "State": "AL"
      }
    },
    {
      "ShipmentStatus": 1,
      "StatusCode": 3,
      "StopType": 0,
      "Timestamp": {
        "Date": "2023-01-19",
        "Time": "12:32:08",
        "TimeZoneOffset": "-06:00:00"
      },
      "RetrievalDateTime": "2023-01-19T18:32:08.787Z",
      "StatusReasonDescription": "In at Pickup",
      "Address": {
        "Country": 0,
        "PostalCode": "35601",
        "AddressLines": [
          "1025 BROOKS STREET SE",
          ""
        ],
        "City": "DECATUR",
        "State": "AL"
      }
    }
  ],

```

```

    {
      "ShipmentStatus": 0,
      "StatusCode": 3,
      "StopType": 3,
      "Timestamp": {
        "Date": "2023-01-19",
        "Time": "10:42:32",
        "TimeZoneOffset": "-06:00:00"
      },
      "RetrievalDateTime": "2023-01-19T16:42:32Z",
      "StatusReasonDescription": "In Transit to
Pickup",
      "Address": {
        "Country": 0,
        "PostalCode": "37086",
        "AddressLines": [
          "",
          ""
        ],
        "City": "La Vergne",
        "State": "TN"
      }
    },
    {
      "ShipmentStatus": 0,
      "StatusCode": 3,
      "StopType": null,
      "Timestamp": {
        "Date": "2023-01-19",
        "Time": "10:12:00",
        "TimeZoneOffset": "-06:00:00"
      },
      "RetrievalDateTime": "2023-01-19T16:12:00Z",
      "StatusReasonDescription": "Booked",
      "Address": null
    }
  ],
  "ImageReferences": null
}

```

Accessorials

| ObjName | LongName | EXAccessorialObjName | HasQuantity | Can Request ? |
|-----------|-----------------------------------|----------------------|-------------|---------------|
| CCPF | Credit Card Processing Fee | CCPF | 0 | Y |
| CONSURV | Constant Surveillance | CONSURV | 0 | Y |
| CSTMIB | Customs/In Bond | CSTMIB | 0 | Y |
| DDP | Dual Driver Protective Service | DDP | 0 | Y |
| DEBRIS | Debris Removal Pickup | DEBRIS | 0 | N |
| DEBRISDL | Debris Removal Delivery | DEBRISDL | 0 | N |
| DECKING | Decking | DECKING | 0 | N |
| DECLVALUE | Declared Value | DECVAL | 0 | Y |
| DOLLY2 | 2 Wheel Dolly | DOLLY2 | 1 | Y |
| DOLLY4 | 4 Wheel Dolly | DOLLY4 | 1 | Y |
| DOLLYDRM | Drum Dolly | DOLLYDRM | 1 | Y |
| DOLLYFRN | Furniture Dolly | DOLLYFRN | 1 | Y |
| DOLLYKB | Kickback Dolly | DOLLYKB | 1 | Y |
| DOLLYR | Refrigerator Dolly | DOLLYR | 1 | Y |
| DRYDROP | Dry Van Trailer Drop | DRYDROP | 1 | N |
| EQDAMAGE | Equipment Damage | EQDAMAGE | 0 | N |
| FLATDROP | Flatbed Trailer Drop | FLATDROP | 1 | N |
| FLEX | Flex Pricing | FLEX | 0 | N |
| FRGHTRLS | Freight Release | FRGHTRLS | 0 | Y |
| GEOFENCE | Geo-Fencing | GEOFENCE | 0 | N |
| GEOFRT | Geo-Freight Tracking | GEOFRT | 0 | N |
| INSIDEDLV | Inside Delivery | INSIDEDLV | 0 | Y |
| INSIDEPU | Inside Pickup | INSIDEPU | 0 | Y |
| LABOR | Extra Labor | LABOR | 1 | N |
| LUM | Lumper Fee | LUM | 0 | Y |
| MNS12 | Motor Surveillance (MNS 12 hours) | MNS12 | 0 | Y |
| MVS8 | Motor Surveillance (MVS 8 hours) | MVS8 | 0 | Y |
| NISSFLEX | Nissan Flex Pricing | NISSFLEX | 0 | N |
| OTHER | Other | AROTH | 0 | N |
| OVERDIM | Over Dimensional | OVERDIM | 1 | N |
| OVERWGT | Overweight | OVERWGT | 1 | N |
| PADS | Pads | PADS | 1 | Y |
| PALLET | Pallet build up or breakdown | PALLET | 1 | N |
| PALLETJK | Pallet Jack | PALLETJK | 1 | Y |
| PALLETS | Pallets | PALLETS | 1 | N |
| POD | POD | POD | 0 | Y |

| | | | | |
|--------------|---|----------|---|---|
| POSITION | Positioning | POSITION | 0 | Y |
| PSS | Protective Security Service | PSS | 0 | Y |
| RADIOACT | Radioactive Materials | RADIOACT | 0 | N |
| SECTEAM | Security & Protection - Teams | SECTEAM | 0 | Y |
| SECTMPA N | Security & Protection - Teams and Panic Alarms | SECTMPAN | 0 | Y |
| SENSORS | Trailer Tracking / Door Sensors | SENSORS | 0 | Y |
| SES | Security Escort Service | SES | 0 | Y |
| SHRINK | Shrink Wrapping | SHRINK | 1 | Y |
| SIGTALLY | Signature and Tally | SIGTALLY | 0 | Y |
| SPOTQTE | Spot Quote | SPOTQTE | 0 | Y |
| STRAPS | Straps | STRAPS | 1 | Y |
| SUPRET | Supply Return | SUPRET | 0 | N |
| SUPRETFL | Supply Return Fuel | SUPRETFL | 0 | N |
| TARP | Tarping | TARP | 0 | N |
| TCDROP | Temperature Control Trailer Drop | TCDROP | 0 | N |
| TENNFLEX | Tenneco Flex Pricing | TENNFLEX | 0 | N |
| TRKBARS | E-Track Bars | TRKBARS | 1 | Y |
| TSA | TSA Driver | TSA | 0 | Y |
| TWIC | TWIC Driver | TWIC | 0 | Y |
| USCSTBND | US Custom Bonds | USCSTBND | 0 | Y |