

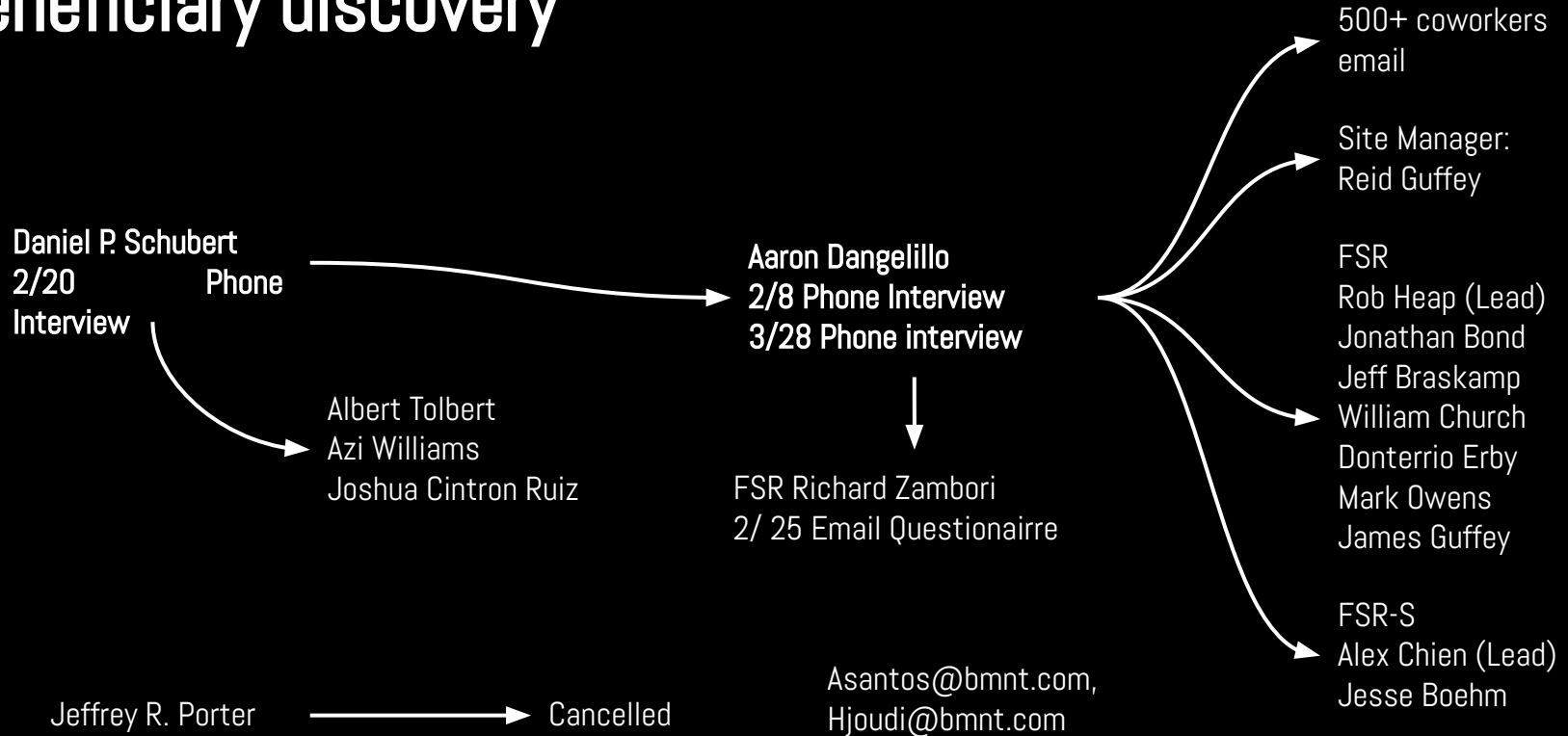


USAF-558 SUPPLY CHAIN COMMUNICATION

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Hao Wang



Beneficiary discovery



Introduction

Entities Involved:

- Boeing KC 46A Pegasus
- 3rd Party Companies
- Dash 21

Technical Orders (TO)




TRAVIS AIR
FORCE BASE






Mobility Systems

7.1	50472-001	80298	12- PASSENGER PALLET ASSEMBLY SYSTEM	REF
1/1	50141-008	80298	. 88" WIDE KC-46A ASSEMBLY, PALLET, SEAT .	1
2/1	50144-702	80298	. PALLET BRIDGE PLATE	1
3/1	86004-037	80298	. HINGE, PALLET BRIDGE	1
4/1	81000-006	80298	. SCREW, #10-32x.40LG, MACH. FLAT HEAD	18
5/1	82018-002	80298	. #10-32 CENTERLOCK NUT.....	18
6/1	60419-708	80298	. SEAT TRACK COVER, AFT.....	8
7/1	60419-707	80298	. SEAT TRACK COVER, FWD	4
8/1	80069-002	80298	. SEAT DOUBLE RIGHT HAND	3
			REFER TO VENDOR LITERATURE FOR COMPLETE SEATING PART NUMBERS	
9/1	80069-003	80298	. SEAT DOUBLE LEFT HAND	3
			REFER TO VENDOR LITERATURE FOR COMPLETE SEATING PART NUMBERS	
10/2	85013-009	80298	. PIN, COTTER.....	4
11/2	85012-002	80298	. PIN, DOWEL.....	4
12/2	50019-206	80298	. T-HANDLE	4
13/2	85009-066	80298	. PIN, CLEVIS	4
14/2	50019-204	80298	. KNOB	4
15/2	87004-008	80298	. SPRING, PLUNGER.....	8
16/2	83003-008	80298	. WASHER, BELLEVILLE	8
17/2	50019-205	80298	. BUSHING, TOP	4
18/2	50141-702	80298	. STUD, DRIVE	4
19/2	50019-207	80298	. INSERT, RAIL.....	4
20/2	86034-007	80298	. BUMPER.....	4
21/2	50141-701	80298	. PLATE, SNUBBER	4
—	50141-201	80298	. WEATHERPROOF COVER, GRAY	1
—	88000-027	80298	. NAMEPLATE, UII	1
—	88001-047	80298	. LABEL, UII	4
—	86038-013	80298	. STRAP, VELCRO	2
—	80018015	80298	. PALLET BRIDGE ASSY. MOUNTING RIVETS ...	18


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SEARCH NOW

For Parts Worldwide

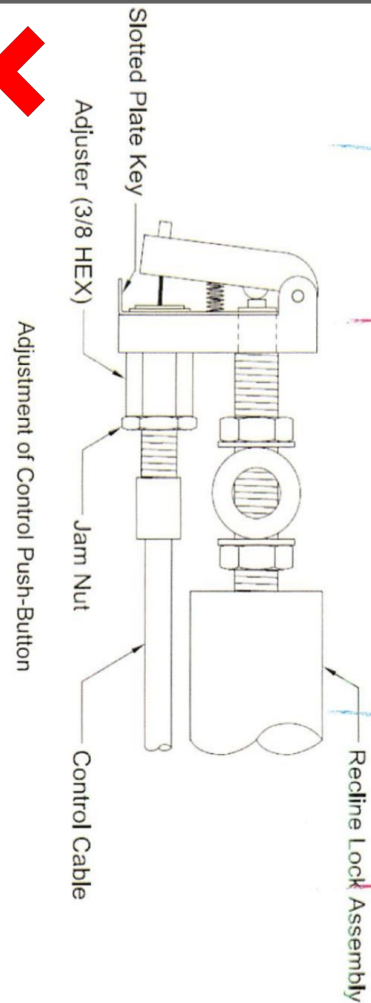
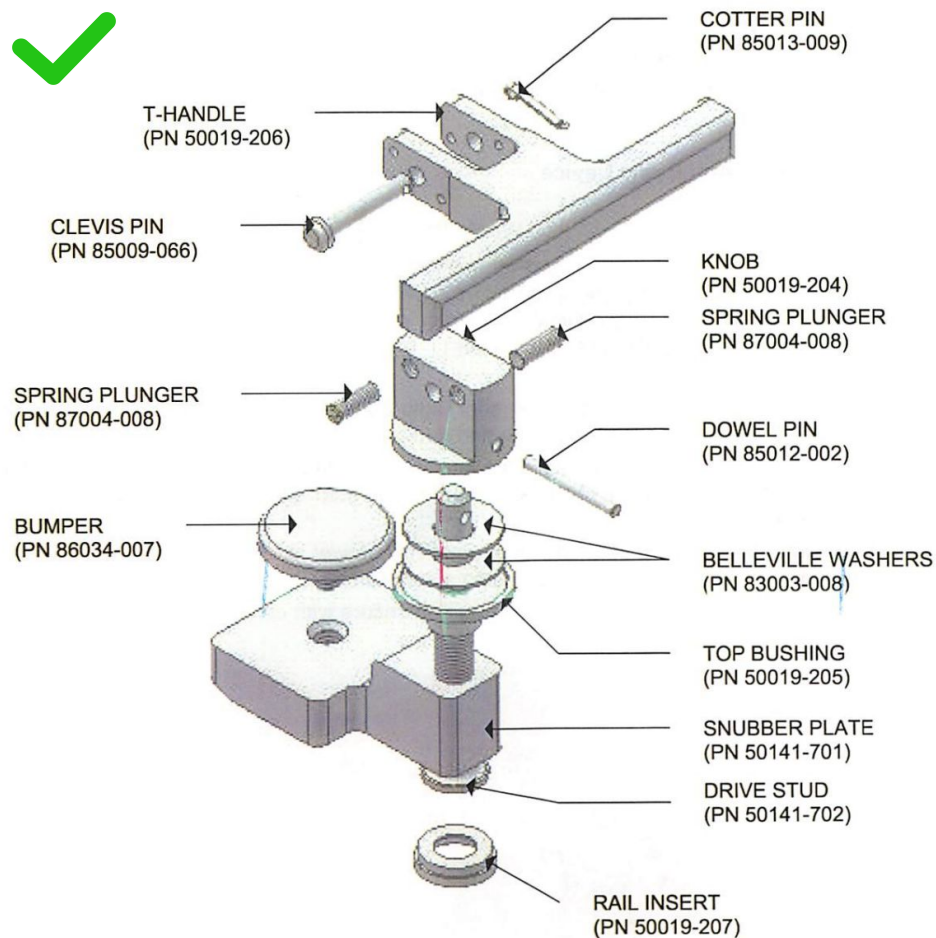
>> Search results for: seat pouch

NSN SEARCH RESULTS

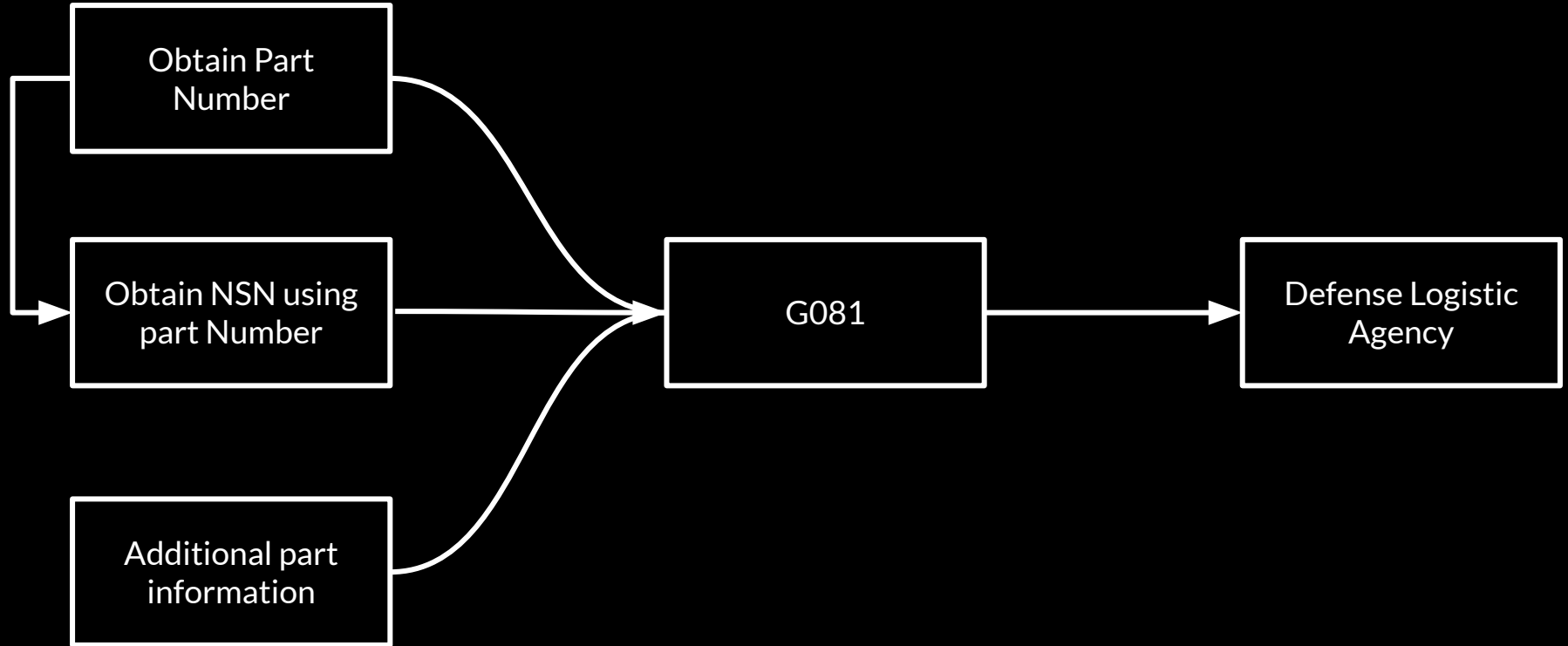
National Stock Number (NSN)	Description
2540-99-787-2836, 2540997872836	WIRE,POUCH,SEAT
1680-01-390-6984, 1680013906984	POUCH,CREW SEAT AIRCRAFT
1680-01-527-2192, 1680015272192	POUCH,CREW SEAT AIR
1680-01-530-1917, 1680015301917	POUCH,CREW SEAT AIRCRAFT
1680-01-530-1918, 1680015301918	POUCH,CREW SEAT AIRCRAFT
1680-01-552-9022, 1680015529022	POUCH,TROOP SEAT

« 1 2 3 »

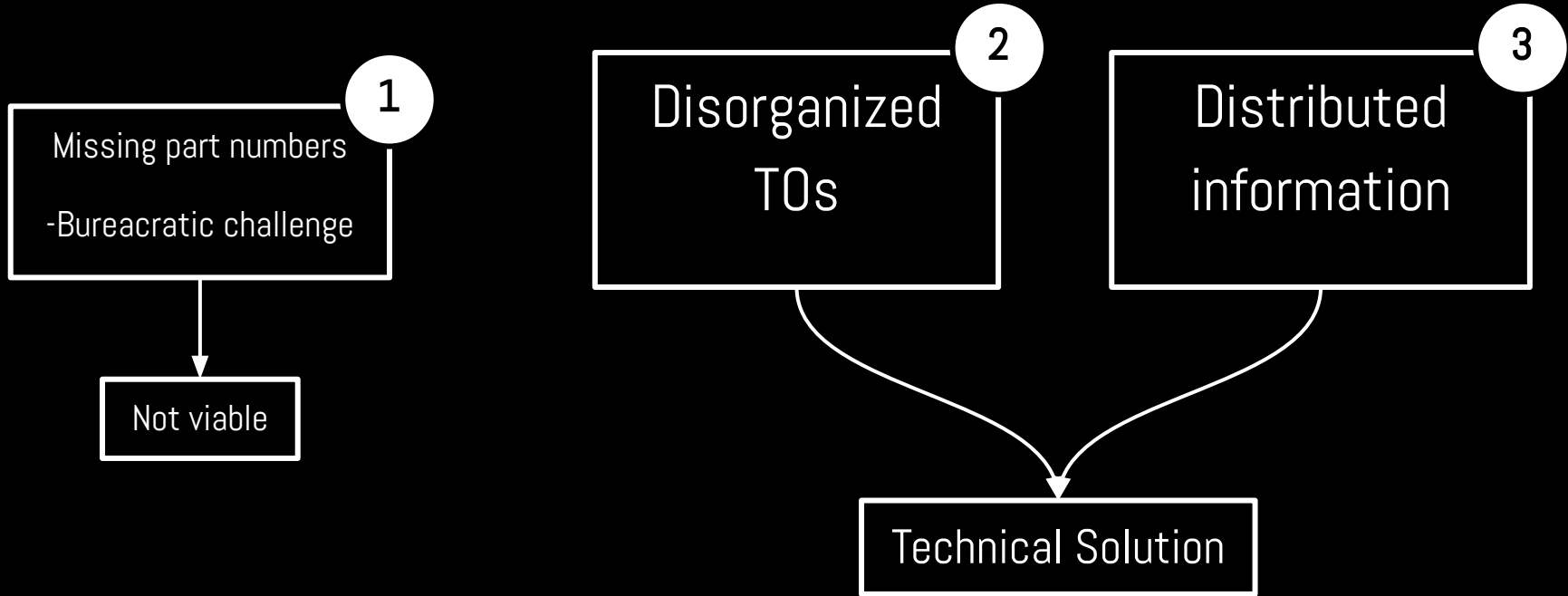
RELATED INVENTORY



Parts Ordering Process



Problem statement












The Mission Model Canvas

Mission/Problem description:

Designed by:

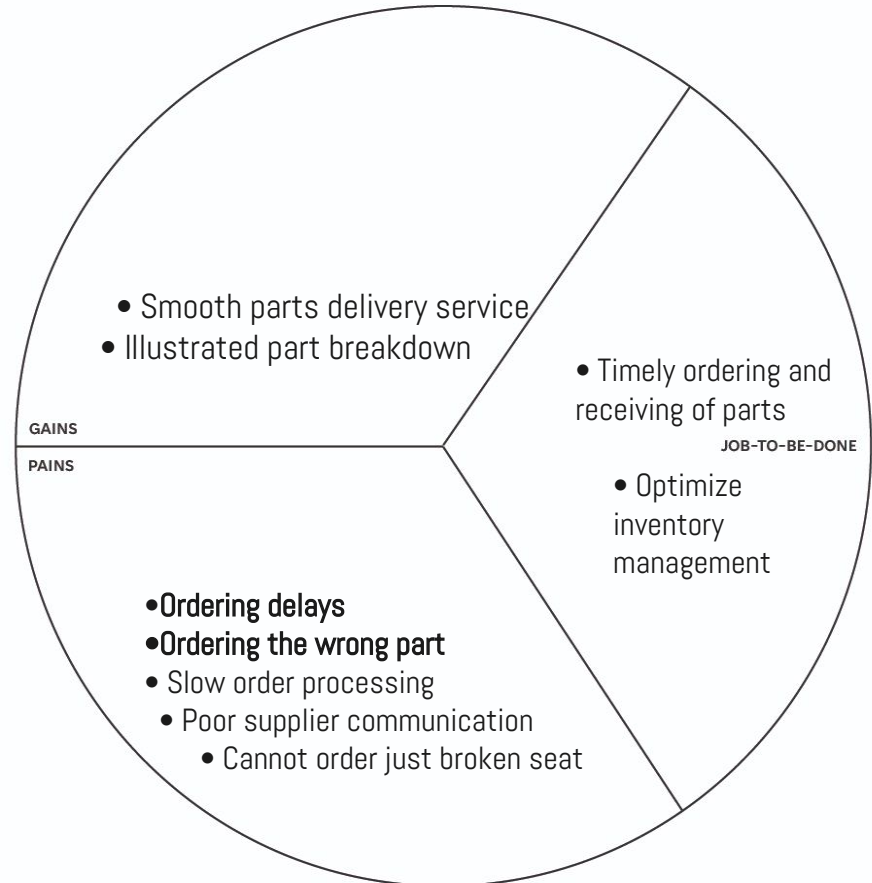
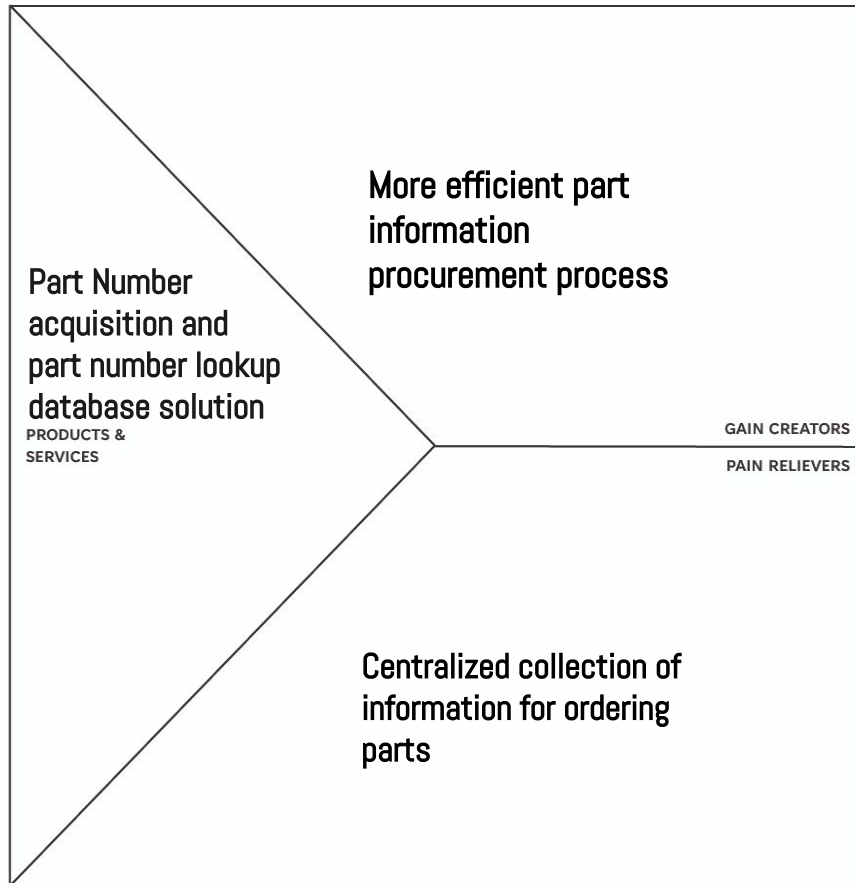
Date:

Version: v7

<p>Key Partners </p> <p>USAF, KC-46 Crew Chief, Defense Logistics Agency, Air Logistics Centers</p>	<p>Key Activities </p> <p>Improve part number acquisition</p> <hr/> <p>Key Resources </p> <p>10 man and 12 man Seat Pallet T0</p> <p>G081 ordering system</p> <p>ISO group website</p> <p>NSN Now</p>	<p>Value Propositions </p> <p>Simplify the collection of PN and NSN to order parts</p> <p>Improving maintenance efficiency</p> <p>Enhance inventory management</p> <p>Improve part delivery reliability</p>	<p>Buy-in & Support </p> <p>KC-46 Crew</p> <hr/> <p>Deployment </p> <p>Web server / Local execution</p>	<p>Beneficiaries </p> <p>Logistics Squadron, Dash 21, Flight Crew, Boom Operator, Crew Chiefs</p>
<p>Mission Budget/Cost </p> <p>Web server hosting costs</p>		<p>Mission Achievement/Impact Factors </p> <p>Streamline parts ordering process, ensure on demand delivery 3rd party parts</p>		

Value proposition canvas.

v7



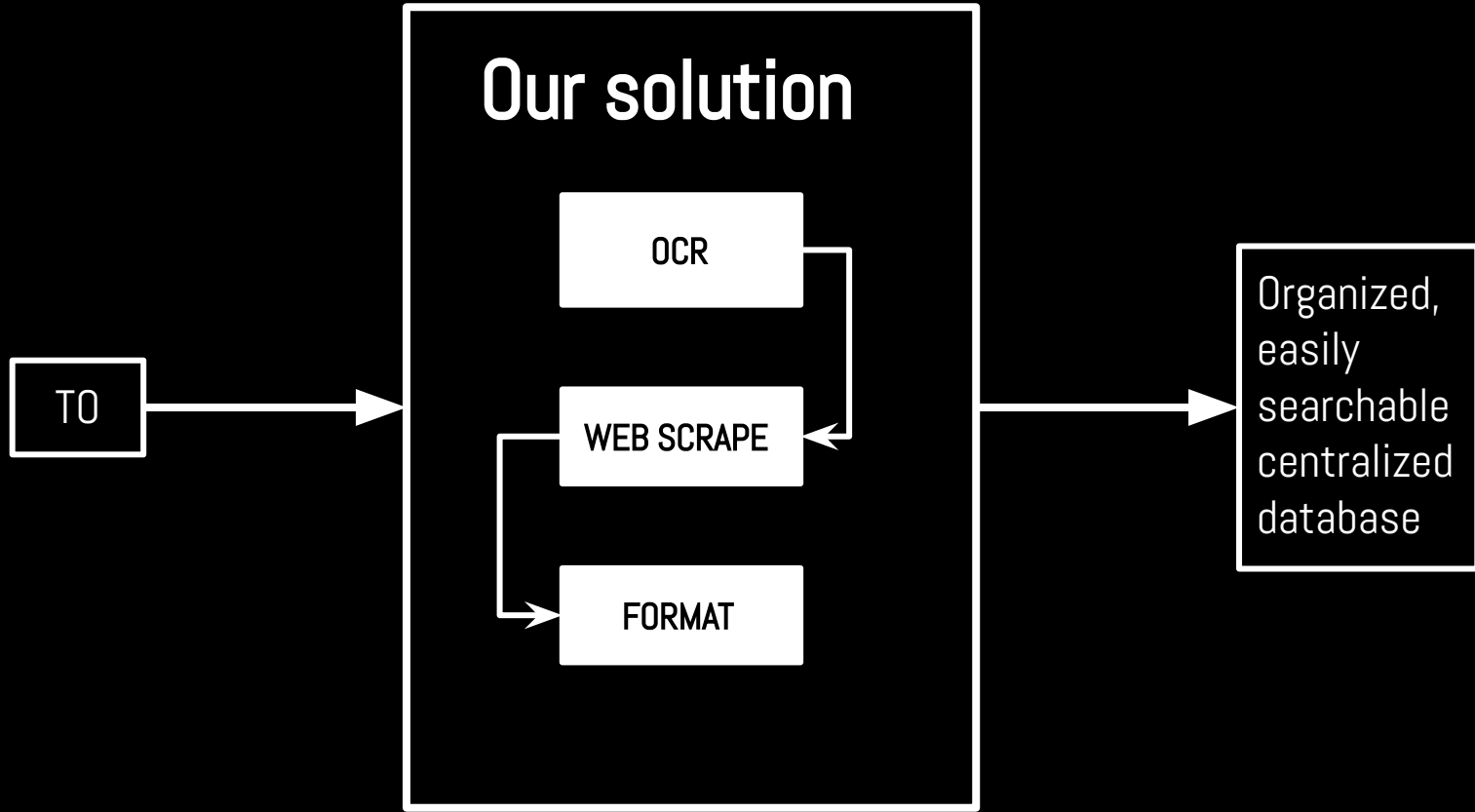
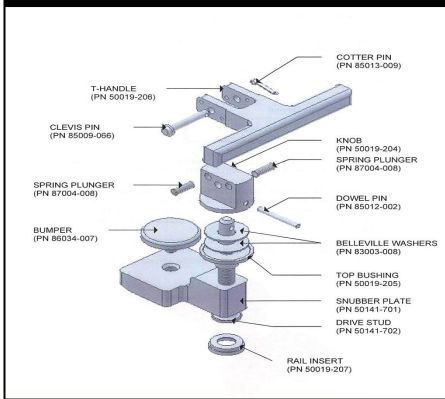


FIGURE & INDEX SHEET NO.	PART NUMBER	CAGE	1 2 3 4 5 6 7	DESCRIPTION	UOC	UPA
7.1	50472-001	80298	12-	PASSENGER PALLET ASSEMBLY SYSTEM		
1/1	50141-008	80298	.88" WIDE KC-46A ASSEMBLY, PALLET, SEAT.			
2/1	50144-702	80298	PALLET BRIDGE PLATE			
3/1	86004-037	80298	HINGE, PALLET BRIDGE			
4/1	81000-006	80298	SCREW, #10-32x 40LG, MACH. FLAT HEAD			
5/1	60419-002	80298	#10-32 CENTERLOCK NUT			
6/1	60419-708	80298	SEAT TRACK COVER, AFT			
7/1	80419-707	80298	SEAT TRACK COVER, FWD			
8/1	80069-002	80298	SEAT DOUBLE LEFT HAND			
			REFER TO VENDOR LITERATURE FOR COMPLETE SEATING PART NUMBERS			
9/1	80089-003	80298	SEAT DOUBLE RIGHT HAND			
			REFER TO VENDOR LITERATURE FOR COMPLETE SEATING PART NUMBERS			
10/2	85013-009	80298	PIN, COTTER			
11/2	85012-002	80298	PIN, DOWEL			
12/2	50019-206	80298	T-HANDLE			
13/2	85009-006	80298	PIN, CLEVIS			
14/2	50019-204	80298	KNOB			
15/2	87004-008	80298	SPRING PLUNGER			
16/2	83003-008	80298	WASHER, BELLEVILLE			
17/2	50019-205	80298	BUSHING, TOP			
18/2	50141-702	80298	STUD DRIVE			
19/2	50019-207	80298	INSERT, RAIL			
20/2	86034-007	80298	BUMPER			
21/2	50141-701	80298	PLATE, SNUBBER			
	50141-201	80298	WEATHERPROOF COVER, GRAY			
	88001-047	80298	NAMEPLATE, UI			
	88038-013	80298	LABEL, UI			
	88038-013	80298	STRAP, VELCRO			
	88018018	80298	PALLET BRIDGE ASSY. MOUNTING RIVETS			
			ITEMS NOT SHOWN			



OCR

```
C:\Users\matthew\PyCharmMiscProject\.venv\Scripts\python.exe
C:\Users\matthew\PyCharmMiscProject\OCRTest.py
Image 1 Part Numbers: ['86075-290', '50144-702', '86004-037', '81000-006', '82018-002', '60419-708', '60419-707', '80069-003', '85013-009', '85012-002', '50019-204', '83003-008', '50019-205', '50019-207', '86034-007', '50141-701', '50141-201', '88000-027', '88001-047', '86038-013']
Image 2 Part Numbers: ['85013-009', '85009-006', '50019-204', '87004-008', '87004-008', '85012-002', '86034-007', '83003-008', '50141-701', '50141-702', '50019-207']
```

Web Scrape

	A	B	C	D
1	Part Number	NSN	Cage Code	Name
2	50144-702	1560-01-692-8129	80298	FLOOR, AIRCRAFT
3	86004-037	1560-01-692-7137	80298	HINGE, AIRCRAFT
4	81000-006	5305-01-567-4312	80298	SCREW, MACHINE
5	82018-002	5310-01-567-4313	80298	NUT, SELF-LOCKING, HEXAGON
6	60419-708	1680-01-692-7195	80298	TRACK, AIRCRAFT SEAT
7	60419-707	1680-01-692-7198	80298	TRACK, AIRCRAFT SEAT
8	80069-003	1680-01-692-9688	80298	SEAT, AIRCRAFT
9	85013-009	5315-01-567-4316	80298	PIN, COTTER
10	85012-002	5315-01-567-4314	80298	PIN, STRAIGHT, HEADLESS
11	50019-204	5355-01-567-2788	80298	KNOB
12	83003-008	5310-01-567-4323	80298	WASHER, BEVEL
13	50019-205	5365-01-567-2789	80298	BUSHING, MACHINE THREAD
14	50019-207	5325-01-567-5704	80298	INSERT, SCREW THREAD
15	86034-007	5340-01-675-2326	80298	BUMPER
16	50141-701	5340-01-567-3810	80298	PLATE, SNUBBER
17	50141-201	1730-01-692-7314	80298	COVER, AIRCRAFT GROUND SERVICING
18	50141-201	2930-14-259-7126	80298	ÉCHANGEUR THERMIQUE
19	50141-201	5360-14-235-6187	80298	RESSORT, HÉLICOÏDAL
20	88001-047	7690-01-693-2618	80298	LABEL
21	86038-013	5325-01-618-2986	80298	FASTENER TAPE, HOOK

Format

```
PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS
Part Number: 86004-037
  • NSN: NSN 1560-01-692-7137, 1560016927137 - Name: HINGE,AIRCRAFT
Part Number: 81000-006
  • NSN: NSN 5305-01-567-4312, 5305015674312 - Name: SCREW,MACHINE
Part Number: 82018-002
  No NSN entries found.
Part Number: 60419-708
  • NSN: NSN 1680-01-692-7195, 1680016927195 - Name: TRACK,AIRCRAFT SEAT
Part Number: 60419-707
  • NSN: NSN 1680-01-692-7198, 1680016927198 - Name: TRACK,AIRCRAFT SEAT
Part Number: 80069-002
  • NSN: NSN 1680-01-692-9684, 1680016929684 - Name: SEAT,AIRCRAFT
Part Number: 80069-003
  • NSN: NSN 1680-01-692-9688, 1680016929688 - Name: SEAT,AIRCRAFT
Part Number: 85013-009
  • NSN: NSN 5315-01-567-4316, 5315015674316 - Name: PIN,COTTER
Part Number: 85012-002
  • NSN: NSN 5315-01-567-4314, 5315015674314 - Name: PIN,STRAIGHT,HEADLESS
Part Number: 50019-204
  • NSN: NSN 5355-01-567-2788, 5355015672788 - Name: KNOB
Part Number: 50141-206
  • NSN: NSN 5310-99-440-7437, 5310994407437 - Name: WASHER,LOCK
  • NSN: NSN 5310-99-714-1851, 5310997141851 - Name: WASHER,LOCK
```

Questions